

tgatcgcaat	tagattggta	gagctccaac	ataattcttg	tggtctttag	ttgccgttgt	60
gcatcgctct	ggatcatctaa	taccgaacaa	cagcatcatg	acaacgacga	gataaaactcg	120
gatcagcaac	ttggacaatg	ttatTTTTatt	tcgaatgtta	acccggctga	taccgaatag	180
ttgcatactg	gttgaagata	ccgcatacat	gtgaggattt	tctcggctga	cgaccagggg	240
tctttacca	tacgagtcgt	ggtcagtc	atgcgttgag	cactacatac	gtctttcaat	300
ttacaacaac	tttgggaantt	t				321

<210> 3662

<211> 636

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(636)

<223> n = A,T,C or G

<400> 3662

ggaaacatgg	gtatgggtga	aaggtctgag	agctcactta	agttgaagct	gagttgtana	60
ctactgagtt	gagatgcaac	ccaaaggggg	cagagtcgaa	tacctattcc	gagtattgat	120
ggTTTTaaaa	ctacaggtgt	TTTTctatga	acacgccctg	agatgtccca	acccacgcta	180
ggatcatcgt	ggacggcagc	tgcggtctga	agtactgcat	gtacctgtcc	actaaagttg	240
ggcgctcaca	gcacatctng	gtacctacna	agctgccttc	ctccactttt	ggggacctag	300
tgcaacgaat	cttgggaaac	ccagtgggaa	ccgctcctca	gttcacactg	tatatTTTct	360
gggcgcaccc	atcaatcgag	ctcgacatct	gcatcgaaac	gatgcctatt	ggacatgaca	420
aagacgtcaa	ccatgtgctt	ttgcaacgtc	tcgcacacac	tgnaactttc	catcgcatgg	480
ncaacgcttg	gccaggttgc	caaaacaaaa	nactggtntt	gggaccccaa	gaagaccccc	540
ccntttgcan	attgcctctg	ncaaaaggng	gggctaacaa	tggttnttaa	ccttcaccaa	600
aanacaggca	aggatgnctt	tgaccctccc	tttgtc			636

<210> 3663

<211> 360

<212> DNA

<213> Fusarium venenatum

<400> 3663

ggcttccagt	gttgcctctg	gttttaggtaa	tggcgataag	attatgactc	agcctgactt	60
cggaggctct	tggggaagcc	ttgtcggacg	ttacactccg	tgggtagaat	agagtttggg	120
cggttgggtc	ctattgttct	tgaatactca	gaattgtgat	gggtggattg	caaggcataa	180
ggTTTTcttt	gaaatgccag	ttgctaccca	ggcggttgtt	gtggagagtg	cgattgagga	240
tataaggggt	ccgtctgcga	ttcgatgtgc	gaataaagaa	ggtgatctgt	ggttatgatt	300
cagtactaca	tttagtcaag	agatccttct	atcaattaag	tataaaatac	atgtgctttt	360

<210> 3664

<211> 789

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(789)

<223> n = A,T,C or G

<400> 3664

gaattttttt	tttttttttt	attgaacatg	tttttttattt	gttttaqthaa	ttactaata	60
ctgcaacgac	aaaacaacga	gcagggaagc	gttgtaycaa	agaaaacttg	ttcttctgca	120
aggaaatcgc	caccagggca	atctatttcc	ttgaaacgcc	atttgaacca	gcattcttcaa	180
ccgctggaat	catcaaaggt	ccagagaagg	atggaaaaca	ctgctcggca	gttcaccggt	240
ccctcctctt	tggcggtaac	ccataggcgc	gcataaacia	gtctgggcag	accaagctaa	300
tctgtgaacc	gtatgtatcc	aaggggttgt	aggggagatg	aatcctacat	tctgccttag	360


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<400> 3668
ctctcagggg tcagcgagcc cagcagccga ccaacctcag gaatcaacaa gcctttgcct      60
ggccccgctg taccacaaaa ggaggacgac ggatttcaga cagagggagt cgtagggtcg      120
aaggacaaac tggttggtgc aagtcctcac cctgacgtga atggggcggc gacgaaggat      180
tgatgaacca atatagtctg gctatatggg acgaccgcgc catgggatac atgatatgat      240
agcacaacc gaactgtgtg acttttcttt tttagcgacat ccatatatat atgacattta      300
gtataactcg tcagaatcta taatttatac ttgattaagt caca              344

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<210> 3669

<211> 1476

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(1476)

<223> n = A,T,C or G

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<400> 3669
atagaactat catccatcat ggacacggca tatcggcgtt tattgcataa ggaacggtgt      60
ttcnaacaag tcttaanaat atcccctctc gcattttttt tttgtttttt ttttgtnat      120
atatctttct tttgtcttca tagcaagcgt tnttttgggt ttcganaat ttggtctatt      180
attcctctcc gggaaacaac tcttcaacgg tcgttcacac aactcctatc gtctctggac      240
ttttctttca tctaccacaa caccacatgg ctggatccgg ggcggttatt tggatgcatt      300
tacaactggc agggactcga tacaggcggc ttgttttatt ttggcctttt tcttccgctc      360
atatttggtt ctcaagaaaa agacgtacac gcagcaatgc acgacgctcg gttctagtcc      420
gagacagaaa cttctctatg gaatcttcgc tgatctcctt ggaactttct tttttccttc      480
ttctttcata tgttcgggtt agagaggctt cttggaagat acccccccca caaggacaac      540
accagagttc aacaaactcga atcgacacat acttttgctt ctttcttggg cttttcctga      600
ttcacgacga tcttatatta atgacgacct ttctacgac tcgacgacga atgacgacta      660
ctttcagaca tgatgcgact tacgaacgga atcacgaata atcggttga cgtcgaacat      720
gacttctttt cgaaagctta tcgagcgctg agcttcacac tccattcggc acgatgacta      780
gcacaacaga tggtaactgg accggctcca ggacgccaat tctgaccgca aggcgctctc      840
gactacatcg cgtagccact tcggaaatat ctggaatata cccgtgaagg cttgacactg      900
gttggtcaaac gggatcacca cccagcgtcg gcgttccaaa ctcaaccgga cgcgcgggaa      960
tggaagaagc gagtgaagtc atgggattct tccaatgagc tgtgcaccac atctgctgtg      1020
cagatttgat tgcgcagtct ctgtctggcc gctgccctgg ccaaccatca aaaacatctc      1080
tactctcaag tatttagcgc cccgaaagtg aatgggttga gattgcccag ttgaggtgac      1140
aaccacttac caattgagcc tgctagacgg gcctctgggt gagtggagga cgcccgtctc      1200
gaggatggat cttacagctg ctcaactttcg gagtgattga aatactgaga gtcaagatga      1260
ggatggccta gggcagaatg tanggatcat cttcctacaa ccccttggtg tcatacgggt      1320
cacagagtan cttggctctgc canacttgtt atggccctat gggttaaccgc caaagaggag      1380
ggaacggtga ctgcgcagca gtgtatacna tctttctctg gacctttgat aagtccagcg      1440
gtttgaagat gctgggtacaa atggcgtgca aggaaa              1476

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<210> 3670

<211> 678

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(678)

<223> n = A,T,C or G

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<400> 3670
tcagcatata tcaagatgct caaccttgct acaaaccgca tagttgacgc ctctgtaccg      60
gtagaaatgc tgatacatgc catatgatca acaaggcaat caatgatcca taggtaagac      120
agagtcatca atatgcggca agccgttgct ggcattgacag cgaacagaga tgagatgagc      180
tcagagtgagt atcaaacacg ctccctcacc atcacctctg gaaacttgga agaagtcttc      240

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ttcgaatcta	agccctcttt	tctatctcat	ttgtctttct	caaagacttg	gaggcactca	300
aaaccatggt	gcagtggttg	cgatatccca	agcctcttct	ctctcacatc	ttgtggtagc	360
ccagcttctt	accggattta	cttcggatct	tgcagctccg	agctgcgggc	aaaaagccag	420
agctaccatg	tacgtaccgc	caaaactaca	gatcaggctc	ttcttgccag	ancccagcct	480
gctgtttgtc	tgccctgaang	aacaacctag	ctgcagtaca	tcagcaccgc	accaccgaat	540
ncatcaccca	ctaaatttct	gncactcgat	tactcgatcc	cgcgtttttt	tatcatcaac	600
aacatcaatc	gattattcga	cgttcgggta	ccgngttcga	atccttgggc	acccatctta	660
aaattttgga	tccttttn					678

<210> 3671
 <211> 104
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(104)
 <223> n = A,T,C or G

<400> 3671	
nagtgaactg	anttgangag agcgatgacg ctatggcgaa atctaatagc tagcttgnga 60
aggaggaaat	gggttagaag aagacaaaatc ccatgccttt anct 104

<210> 3672
 <211> 272
 <212> DNA
 <213> *Fusarium venenatum*

<400> 3672	
gctttcttga	agtatcacia tgaggcgctc ctgaagaagt acggaaaaga cctcaagatt 60
gggtgctgtg	gcgagagtgc caagctataa gtccttctct ctgctggcct cttgggtttc 120
atctgacatc	tgaatcggtc gcaatgcttt gttaattttg gctgtattta ttctgatttg 180
tttgtaacgc	atggcgata ccatatattg gatagggaaa cttgacaggt ggatttgcaa 240
tagattggaa	gagcatcttg aaaaaaaaaa aa 272

<210> 3673
 <211> 115
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(115)
 <223> n = A,T,C or G

<400> 3673	
nggtgcctct	anaancgccg gtgggntgtt atttggggct tccggggcgg ngntttcccc 60
caaaaaaagg	gaggggttna tttgnggttt tcacancana ggcggttttt aatac 115

<210> 3674
 <211> 560
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(560)
 <223> n = A,T,C or G

<400> 3674

ccgagacagt	gcaggggaaa	tatctgcaaa	tgaaagcttg	gtacgacagc	atggtacaag	60
accaggaagt	ccttcagcgt	cggttaagac	tgccaaaaag	gtcatcaagc	agagagagga	120
tgaataacaac	acccttgctg	aagagcggga	tatgttgctg	aacagaatac	gagaaaaacag	180
agagcatatg	cagatgctct	gcagccctgg	aggtatat	cacgccctag	cacccaaaca	240
gagaggcgtt	gttgccccga	gtcacacgg	acagcgtggc	tttcagcagc	aagcttccag	300
aacacangta	cacagtagac	aagagcatgg	cctctcggct	ttgttacagg	ctatgagcca	360
ggataacaac	agcgcgcctt	caacgcgcgt	gcataattcac	cgccctccac	aacgacacgt	420
cggaaagcat	agtcggaatg	cccaatcaat	gtcgtctttg	cctacaacgc	ctatgagtcg	480
acccgcagga	ccacntgttg	gaacttttac	ontcgggtga	tcttgttcct	caaccgggaa	540
cctccaacga	ttatacccg					560

<210> 3675
 <211> 904
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(904)
 <223> n = A,T,C or G

<400> 3675						
gcaatagccg	caaccgtcat	gatgaagagc	ctttggcgcc	aagactgctt	agaaaaggac	60
accactcgag	gaaccacgca	agaatcatgc	tgttgctctag	cgttgaaggc	atcactattg	120
tgtgctgcta	ctactttacat	gcattgcgcg	gagataaaaa	cgcagatata	tcgtacatag	180
attaacagca	tggataaacac	cccttcacat	tagggcgtct	cataactatt	cagtcacctt	240
ccttacatag	ggatcctcgc	tatctcctct	ttggtccaat	actttctcat	attggttgga	300
ccaagagtct	caacctcctg	atccaagtga	gtccagagga	cctcacccca	cgactccatc	360
ttggtcttga	gcacgctcag	ctcaaactcc	tcattctccg	tacggcactt	cttgagatat	420
tctctgaacc	cgtccaggcc	cgcgtgtatc	tgtttatgct	ggcgcaacag	ctcggcgctg	480
cgcgcgcgaa	actcgggcgt	cttcttggca	aggatgggaa	agacatatgt	ctcctcaata	540
ttgtggtgta	cagtgagatg	ttcaacgaat	tgcaggcctt	ccataatgaa	ctgtttgagg	600
gacaaaattt	gaggtctcgc	gttggtttgtg	catgcattcc	ataagagatt	ccatgatctt	660
cggaaagtat	cgtgctatgg	atcatattaa	gtctatgttg	tcgaactttt	ggtcagccta	720
atcttacaaa	agtagttcat	atgaacagct	agtcgggtat	aaccttaaa	gcattngncag	780
acaaacnggg	gtagtttctt	ccgctttgtc	ttgacgggct	ttgacctctt	tcgntttttg	840
gtcaaaaatg	aatgnttgct	gatgataant	ccagatgtaa	aacgtcttct	anaaataaaa	900
gttt						904

<210> 3676
 <211> 613
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(613)
 <223> n = A,T,C or G

<400> 3676						
ccagtcagct	ccgtccgagg	aagagaaagg	cgattccntt	catagcaaca	agcgcccgga	60
agaaacaccc	gnntatgtcg	agcgttccag	gcaccttgac	ggaaacatta	tcatactac	120
tgacagaacg	ggcaagatca	aagtattccg	acaggactgc	ccccataaaa	aaaggcagca	180
gggattgttg	gagtcagggt	ctagattgtc	caatcgccctg	tctggcgctg	gtagaagtgg	240
aagtgtontg	accagaaaga	gtgctagcag	tgtgttacag	tttaggcgtg	gattcctcac	300
tattcctggg	ccccacccca	ttcaacttca	gcattgcttc	gacagaatca	acagttggcg	360
acaagatata	gatggagggg	gaacccggtct	agcccccggc	ccancacgaa	gcgaacgggc	420
catgtcacca	agtaaagcag	gtccagtcac	ctgtcaattc	ggctgcaaa	ctggcggcag	480
agtcctcnaa	aacagcctta	cgcattcgag	ctaattactc	gtcctgccc	acaagtcctc	540
gttggcagtg	gcttgctccn	cccgncacag	attagagctt	cgaatgcctc	ngatagaaat	600

aacngttttn cac

613

<210> 3577

<211> 590

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(590)

<223> n = A,T,C or G

<400> 3577

ngggggccac	canccgtatn	aagctcgagt	tcagcaacta	tgctcgtgta	gacattgcac	60
gacgaggtgg	acgcacaaac	aagcgatatg	aatttgagng	gnnggggtcac	acgtacgcct	120
ggaaacgtgt	cattgacaaag	aaacctcaatg	ttgtctcatt	tcaccttggtc	cgagacgggtc	180
atggtgcacc	tattgcacac	atcgctcccg	aaatggcgag	tcctaaccnaa	gttctcgaan	240
acnaaatggc	tggtgcttgg	gttactcctt	gctacatctg	gattagcgac	agcagcatta	300
ttgatgccat	aacagacgtg	gctgatgtga	ttatttccac	cggcctnatt	tcctttgtcg	360
acgactgcat	caaggagcga	tggcaagcaa	agaaaccttc	gcaccgtgcc	atccggaggg	420
acaccgacca	tgtgaaccac	tccaaccttc	ggttattcat	gcccagttt	ttttcaacgt	480
cccactnaaa	aaacctcgt	caagccgtgg	ctngttgang	tttggnccca	aacctattgn	540
tgngtactaa	catgcaaccg	ctttcaatac	tttaatcgaa	ccgttttgat		590

<210> 3578

<211> 390

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 3578

tgcctctcgt	cgntccccgg	ntcaactcaa	cttctggcga	caaggccgaa	gagtgggnaga	60
acaagctcat	cggcaagaag	ctntccgatg	atgatgcttc	caccgagacg	gtgtttgcc	120
agcgagatct	tcctccangaa	acgcgcacga	tcgagcccg	aatgatgggt	acaaaggact	180
ttaaggaaga	cagactcant	gtccacctca	aggatgacgg	aactgtctca	catgtcgtca	240
agggttaatg	gggctgctgg	tgctcgagaca	gccccctccat	tnctcgnttg	atgatggggc	300
aataattaat	gtncgataac	gattacctac	gaatgggaac	aggatcgccg	taataataaa	360
ggcgcaagag	aacaacngga	ttatactttn				390

<210> 3579

<211> 643

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(643)

<223> n = A,T,C or G

<400> 3579

gcaatattgg	cagcgtcatg	categetcga	gttcttanaq	acattctatc	tcgcgggaat	60
gcgcgttttc	tcattggcaat	tacatgctgg	tattgtggaa	eggccctnat	tgcactttct	120
caagcagctc	ggatcaaaac	gttctcgcag	gaagcanaag	agggttttaga	catttttggat	180
caagccgttg	gccagctcca	gcataatgtg	gcttctgcga	atgtcataan	acaaggcttt	240
gaacgacttc	gcgcaatgac	tcgaactatg	atacatgctg	gcaaacccaa	gactactacc	300
aacagtgggtg	gnnggagggga	tacaagtcca	ccatccagag	attttgactg	ggtgctcctg	360

tttccatttg	ngacgagatc	gacgagcagg	atcacggatt	gtctccttgc	tgacaatgag	420
tttggtagca	cnacaacagc	tttaccatcg	ccggaaaatg	ccgtttttca	tgaagactta	480
ctcaatcgct	atcatgattt	actggaacct	tttggtagct	acaacttttg	actttggnac	540
tatcgagttg	gatattnttt	aatcacaaac	ncacgcctnc	gggtgtcatg	tnctgngaaa	600
aaaatncccc	tgcttaaana	aaactcttga	tgaaaaaaa	aaa		643

<210> 3680
 <211> 236
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(236)
 <223> n = A,T,C or G

<400> 3680						
agcgctatgg	agtctgggtc	aactgtgagg	gcaaatacaag	taatgagtgt	caagggcgca	60
caggggttgac	acggggactg	gcaagacctc	attgtcatgt	ttttgttcca	gtttcggtta	120
ggcgatcggtg	ggtattttgta	gttggtatgt	tttttgttgg	aagtctgtgg	taacagattg	180
ccgacactat	tgtatagtac	tttgttaaaa	ttctttataa	aacctcagac	cagcnn	236

<210> 3681
 <211> 635
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

<400> 3681						
gttccgtctg	cgattgagga	tgtagtcgag	tttgttgatc	tggctccatc	ttcaaaggcc	60
ggcaaggcaa	agcgagtcg	tgctgtcaag	ccagtgccan	ataccctgcc	accaccatac	120
aagctctntg	tggnggacga	tctgcgtaac	tgtagtgaag	gctggactcc	cgcttgtatc	180
cgaaaactct	acggcattcc	tcttgggtacc	aaggccgcaa	anaacaactc	catgggtctc	240
tttgggtatg	gggacccgta	tcaacctca	natctgaaca	ttttctgggc	aaagcacgct	300
ccattcatcc	ccaagggaac	gaagcctaaa	gtcaacagta	ttaacggcgc	caaggcagag	360
ggcgctccccg	tcgaaggcga	anagctgctc	gacatccaaa	tgctgtatcc	cattgtctac	420
cctcaactgt	tacaatgttc	cagggtccct	acaacaacaa	ggngngcttg	ggaatgactt	480
cctcgacncc	gntgatgcaa	cttttgtaag	tatgatggng	gcgaagacct	ttgtttnatc	540
tccgtttccc	cttttngnga	tacaaaagcc	cttccatgtg	cngnaagtc	aaattacaaa	600
cgttgtttta	atttntttcg	caattgatga	acaaa			635

<210> 3682
 <211> 192
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc feature
 <222> (1)...(192)
 <223> n = A,T,C or G

<400> 3682						
agacagagag	gtttatcctg	acggagcaag	ccaatattat	tgaggttttc	anggggcagg	60
gtgacttgaa	gcccatcaac	gagtcggatc	cgacattctg	atctcctcct	tgggattttt	120
ctagatggat	cagatgaata	gacgaaagcg	tntntttaga	cgnggaactg	aatagatatt	180
gtactatccg	tc					192

<210> 3683
 <211> 653
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(653)
 <223> n = A,T,C or G

<400> 3683
 gttccgcaat atggacatgt tctttgtcaa gctgtctgac ctaatgtata ccgtgtccaa 60
 catcccacat ctccgcaaca cccagcttgc ggtcgaatac cgtgagcttc tggagtcaga 120
 ggcacaaagt atgcattggg gnnggggtac cgngccagaa gtggaagcaa gatccagatg 180
 ctgtctgcta tcatggactc gctcctcggt gcaataacta tgtcaacgga acactgggtg 240
 gcgaggatat gctcagcta gcacaaacaa gttagcactnc tttcccgat aagaagggtgc 300
 caccagcgcg actggtgcaa gtatttccag atgacctga ctatgcgcgg ctctgtttgg 360
 aacaaggctc agagcatntt atcaacggcc acctcaccca cctctcgtca atggcataca 420
 ttctttctcca attaagncaa aaatcgatcg tgtcaggaca cgatatcaac ggccttttaa 480
 aggcctttgac ncccggatcg acaattgaga gcttgccaat gccatcagca ggccacgaag 540
 atctgaccaa cggnttaatg gaaaaacnaa tgggacctcn cnctgaatcg gatgagttcc 600
 acatgatgat cgaacatncc ttgtttatta ttgctttcan gttttntttg gaa 653

<210> 3684
 <211> 732
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(732)
 <223> n = A,T,C or G

<400> 3684
 ctttgccctc tctaacatcc attcaaataa gctgagggtca tcatagaacc aacgatgact 60
 actattccta cgacaacacg tctcgacata ttgcatgcct ttttaatttct attgacattt 120
 catatgcttt cctatgctca attataaacg ggcaataact cgcataacaa caatatgaca 180
 ctcttgcac cgttccctacc attcatttca tttatcagat atcgtcaatc ttgcaaacat 240
 catgttctat gcagatttgc gcaggcggtga tgttgcggtt gggttctaatg aatttgagcg 300
 ggtcaaatg cttccaagtt tggaggaatg agattgacca agtggccgat cctcgatgaa 360
 gtgacatggg ggcgttcatg ggagcatatt tttcaggggg agtcgttttg tgttacaatt 420
 ttgagctttt gcgacaactc cgggttatgtr tttttagnng gacaccaqct tttggcctaa 480
 atgnacggac gccatttcac ctttttaagac aatcattggg tgnnggggga aattgcactg 540
 ttcaaggnc catataaggn ggggaaaaaac gtcgtttcgt ttacttttga accaaaacan 600
 acaatntnt caacgttcaa actacggggt aaaaaaacac cgcggccaaa aagagtttcg 660
 aagatgcggc accaccaac agggttgatg gagggatcct gctttgggaa ttgggtgggg 720
 gcccaaattc cc 732

<210> 3685
 <211> 171
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(171)
 <223> n = A,T,C or G

<400> 3685

tccttatggg	tctatgggtc	atgggtctca	cgacgttaca	aaaagtagtt	gtattggtn	60
agaaagactc	tttctgggtg	gaanagcatg	tcccttcttg	atttttgggc	aattattgaa	120
agtgatgtta	tataagaaag	tctaatacaa	agctcatgaa	tcgcgacgaa	n	171

<210> 3686
 <211> 265
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(265)
 <223> n = A,T,C or G

<400> 3686	
ctgcagctga	gagaaattgc
cgagcttctt	gattcaaaag
ctaaacaaga	acaagaaaagg
tgccatgcaa	cgtaagcccg
ttatcgaaga	agctcaaaaag
ctgtgaggya	gccaactcga
caccaatgca	gcttnttata
gtacctacgc	agagtatcaa
gtgaacaagg	cagcatatca
tcgtgagtgc	aagggcaagt
aaagtgaccg	ggtttatctt
atatgaatag	taactctgta
ttaccaaact	agtcacgaa
tcttg	

<210> 3687
 <211> 299
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

<400> 3687	
naggagtca	aacaactctg
agatatttat	ntnctgtcat
cacatcngcn	gagattgaaa
actcacatgg	atctganacn
gacactgggn	ttacgcacgt
tcatacagng	ctctngcatg
cgatgtcaac	gctgctaagc
ntcgatcagt	cacganaatg
tngactcnct	caaatatgct
gcgtgatgca	atgggnctct
nggtccacaa	catcacagan
atttctggac	taacggccan
gcagtgcata	tgacaagtcn
gctntggagt	gaacatgcc
ngganacaac	atgggggtc

<210> 3688
 <211> 442
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

<400> 3688	
agacccctga	ctctcagaac
gctgctcttc	gacagcttgg
ttcagtcctg	gggtcagttg
ttggatatgg	ctttggcggt
ttcattcttc	tgtgagcaga
agactatctt	cacatttctc
cgcacacgc	gacgatcacc
acacagtcac	tgtggtagat
gaacaaagct	gttcgggtcat
ggacggcagc	tcataataa
tgggctcatt	atgaatttta
cggtcctttc	ctcaccgggt
ggaacattggg	taaatagaat
aggacaacat	cagacgcttg
ggtatatggg	gaagcgtggt
atcattagac	gagagcttnc
acgttaagggt	gcattctcga
ggaqatatgg	atcatttaatt
gggcgccttag	catattagca
gacagcgatc	gtatntaaag
gcatagtaca	tgagcgaata
caagccattg	cttanaaaaa
aa	

<210> 3689
 <211> 610

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(610)
<223> n = A,T,C or G

<400> 3689
atggattctc aagtggccaa acggacttgt ttctcttaac cgectgatta agatgatcca 60
aggaaaaacc attggccatt tgttgggttaa tagtctctga agctattaaa ccgaactcca 120
aaattgtctc catccggaac ccttgagctt tcaccccgat atcttccgtg aactccccgt 180
cacaggtgga gccaccgcac aaactccgac aaagaaagtg tccccggttt gaaaaacaac 240
ccgctcgctt acggccccag atcactaaag ggaattcatg acacatattt tccaggatct 300
gagtgataat ctgccttact tccgatctat tgatatcatc gacgatacct caccgaaattg 360
cttcgctctc acagtcctatt ttggtggcta ccgagccctt gaaatctgca ggactagatc 420
tgcagtgcaa gccaaaggcag aacgtcatag cccctgctca tggctgacgc gggggcttct 480
aaggtcctac aaaacaatgc aaagagaacc ctgaaccggt gcagaaaatc aattcctaag 540
ggcggaccgc ggggtgtctc aataanttgc ctccgtcaag tcaagtcac gttcgaatcc 600
aacggtaacg 610

<210> 3690
<211> 183
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

<400> 3690
caagaaagcc acatcaaagt gcaacggaaa aagtcaatca gatatgtttg accagctgtg 60
atgcgatatt gagcaaaaac agcattgcag tccagtcatt gatagaattt acgtattaga 120
tccttgacaa ggataacggt atgccgttat acccggcgca tgggttntat ttccggcttc 180
tcg 183

<210> 3691
<211> 320
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

<400> 3691
nccncgcgt caccgggan ggtcaaggnc nttcataacc gccgcccann tcttctgagt 60
tcttccnct cnaagcaata atgcactgtc attaacatcg ggaacatga aggtactcct 120
cqantgatct cttanctttc ttonanccaa ggctttgcct gtaacctga aatctcttt 180
ccgtcttana tccactgcga ctatgttncc ctccgataacc gccggatcc tgtgnaacgag 240
arcattctaa gtgaccacga atcaaanaac atgcttcngc attaaatcgc cctgcantgc 300
accgtatact ccggccaaag 320

<210> 3692
<211> 52
<212> DNA
<213> Fusarium venenatum


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<220>
<221> misc_feature
<222> (1)...(52)
<223> n = A,T,C or G

<400> 3692
aacacaggaa tacctgaaga atgatatntc gatcttgatt catcttagct tt 52

<210> 3693
<211> 589
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(589)
<223> n = A,T,C or G

<400> 3693
tgacactcaa gtttcaatgc gtattcagca cgatcgacaa cctaaaccac tatcacaaca 60
gactccgtct attcacgcaa gtgcataggc atacggtggg agtcaaagca tcttatgata 120
cgggcttggt tcttcattcc gccatggaac cttgagttaa cagacatgag gtcggcatag 180
tcttgcccttg cacaaaagcg tcatcgctct tcaagcatgt tggttcaata catgtaagtt 240
ctgttgcttt tcttgacacc attcctcctg gttcaccaag ggttgaactg aagcgaccgt 300
tggttgcccg cgagtcagaa ttctttgtcg aaaatagttc aatgatcaat cgtttctctc 360
cacttctcta ctactttgta gaagatggtg aatggaaaca tccacaacgc tgaatctcct 420
ttggtgctga tgcagtaaac gcccagggct cgcaggggtg ccaccaggat gctgggcaag 480
ccaatcaata acccaagcca aaaccagca gtttggtcac ngcggcttta gcaacgctaa 540
aacgaaccag tggccccact anccnggggc gcaggganca catcccttc 589

<210> 3694
<211> 627
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

<400> 3694
ctcgtcaatg ttgttaattc cgcggcccaa ccgtacataa agatagacag cttggagctc 60
ttgaagccac tggtaacgc cacatnttgg gccacttggg qaaqcacgcc tttggntata 120
gcagccgata tagcgtccat atcccacagc tcgtcgatga cggacacggg aatctgaaca 180
ttggacggta acgggtgaac agtgagtttc tcaaaccgct cgcgaatgag gtcagaggac 240
aattnttgtg taccagtacc actccaggga atcaacaatc tcccgcgttc gcgctcagac 300
tcggttccaa cggttcgtaa aacatcatga aaatgatctg cagcctcccg tgtgcatacg 360
agcttacgac ctgccaagac tggatataac acacgagcca tgagtccacc ttgngcgca 420
ttttcttnat ttatctgagc gcgcgttgcc gtgactgcc aagggtgnggt tcaagatcta 480
aatgtgtcaa atccgaaatt aggtccatga ngatagtgng aacaaaaatt gatcgnngat 540
gtaagtgatg ccggttcac ccaatgangg tcttaatggc ttatctcagat gggggactgg 600
gggcaagana caaaatcgnt gttttgn 627

<210> 3695
<211> 117
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature

```

<222> (1)...(117)

<223> n = A,T,C or G

<400> 3695

natcttgacg	tggacggacg	ntnttttata	cccctaccga	tatcgccgca	angagatctt	60
caanaacgan	atgccctcca	acatngangc	ttggcgctta	cnggactntt	tgnggtc	117

<210> 3696

<211> 215

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(215)

<223> n = A,T,C or G

<400> 3696

ttacggnnttc	gttgtctggt	agttgagtcg	gtatctgggg	tctgtatacg	tgtgttcata	60
gcagggttcga	ggctgggttc	ctcgtttctt	aatgcagnga	cggctctgta	tctcctgggt	120
gcgaggtgct	ttctgtaacg	gcttcggcgt	tccgcatcgg	ttatttcacg	cgccgtaatg	180
atgattgtgg	taggctttaa	tcggaacatg	ttgat			215

<210> 3697

<211> 209

<212> DNA

<213> *Fusarium venenatum*

<400> 3697

gcgacagtca	cogctgctgt	tgtttgcttg	tagccctggg	gtggtcacat	tgaccgatat	60
gtgcggtttg	tggttgtagg	tagctgtggg	gaagacgttg	cgtgctagaa	ggcgccctaa	120
ccacgatcat	agtatagaac	gaatcatcga	tataggctca	ataactctaa	cgcactctga	180
cttgccaagt	tcacccgcgt	ttccagtg				209

<210> 3698

<211> 541

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(541)

<223> n = A,T,C or G

<400> 3698

cgttaaaaaa	gaaacgcaaa	ttaacatagc	gatctgaagc	aaacaaatac	tcaggatgaa	60
cccaatcatt	gacattgccc	atcgccccga	gacacaaaaa	ccagagcggc	ctgttatccc	120
aaatgancca	cacgttggcg	atggcgatgg	aactaccgac	tatctgcagt	gaatacaaca	180
atatgtgata	aaatttcggg	gaatatgctt	tctcttatgc	atgcacaaaa	ttgatgaaat	240
gctgtctctc	cttcaaaaggc	gttttgggtg	tgaagggcgg	ggaaaacgaac	actcatnatt	300
ttcactgaac	aaggetgcat	cgactttaac	tttgatatctt	gtctctcttt	tngggatatt	360
attttggatg	ngggattttt	aaagtatatc	attgttttctg	ttgagcgact	gggatatttg	420
tttttcgcac	cogattgaat	tatcgtttagc	tacgggctca	agtgttatat	tgcangctac	480
tggtataaat	tgnaacgacg	atttggtttc	naatatctac	aaagatttat	ttctcataaa	540
						541

<210> 3699

<211> 106

<212> DNA

<213> *Fusarium venenatum*

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<220>
<221> misc_feature
<222> (1)...(106)
<223> n = A,T,C or G

<400> 3699
ctaataacana acgctcacan tctattttcaa catctcacca ctgcctact tgtgtttcta      60
ttanaaaacc aagcatagta ccttgatgct ctgtcatccn ggagca                          106

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<210> 3700
<211> 647
<212> DNA
<213> Fusarium venenatum

```

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<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 3700
aaagnccccc caaaagagtt catcaacgct ttatcagcac gtcgttcacg gacgtcatcg      60
ctcatttttt tctaatacact gntggatctc tccagcttcg tctcgccact actaccgggt      120
tccacgggat ctgggtgccta ttctccaag tngaggagag atttaatacc cattgggtcat      180
gttcgccgct gcaaaaanaat cttctaacct nttttcttcc gactacatac cgnggngacg      240
ggcttaatac catcaccttt ccttgggctg ntcttccccg gcgcatcttg attggtgaat      300
ctgctttgct tgcattgcagt cttgacattt ttgacagcct tctcaactta ctcattagaa      360
aatatctaca aaacaaaact cgaacaacca accgacgaat cegtgcgcga ccacaaccca      420
acaactgngg gtgctcgagg ggagaacagt tggttgaaag cctggaaaca ggnggatgct      480
agctgggcat nttttcacia tatcatgagt taccactctt caggaacttc tggatcgacc      540
ccgatccacg actacgacag gtttttcgag gatgtngtcc gnaaacacta cccctttccc      600
gangccacct gggcaanact tacttccaag gcgaccaggg gacgcgg                          647

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<210> 3701
<211> 452
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 3701
tttttttttt tttttttttt ggnccgaaac ccgaaaaaca ccattgattt catgctagtg      60
tattgagcaa ggaaggtgaa agcgtaactt tcaatcccc tctgcgagtc cagataaccc      120
ccgcgtccgc cagcaagtcc ctgtacccta tgccaaagct gacgccaacg acgaggatgg      180
accgtaaata tgaccaccga atgcaagcga atcgagtcctg tagcccagga ttacacgacc      240
ataaacaaaa gagaagactg ttgatcatga tggagactta gacggctcgt cagcggacat      300
aatcgtctgt atcgtctgcac tgcgcacttc agcatctgca tggcgctttg gqatgttaac      360
taagaacgac tttttacgct tgtatatcaa aacattgcca ggagangctt ttagacatat      420
ttaataatca acatcgtcgt ggctaaaaaa aa                                      452

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<210> 3702
<211> 115
<212> DNA
<213> Fusarium venenatum

```

```

<400> 3702
ggcttcaaac ttgtttgggt gtgttttgaq cgcacgccag ttggcatgg agtaaaagag      60

```

ttaacgacgc aaagtcacag tctcagcgca tgaattttac aacttcaata ttaag

115

<210> 3703

<211> 374

<212> DNA

<213> Fusarium venenatum

<400> 3703

taatcgtcaa	agcaggagaca	atttcacggc	tctcatgagt	gtcatgagtg	aggttggcaa	60
gaccaacatg	tttgcggtt	cactagctgt	tgggttagcg	cataacatga	gagcttgtgc	120
tgtggatcac	ggcactgtcg	ggaaggttga	gatgttaatg	gctgatctcg	atattgacgc	180
gccaatccct	ggtcaagaag	atgcggagaa	tgggattgtg	gtgctttgtc	caattgtacc	240
aaaaccggga	ccgattagct	tggatgatgg	tctgttttgg	tagactggac	ttgcctgtcg	300
ggcttatctc	gctgttatgc	aataattaag	aaaagtagat	ctgatctcaa	tacgaattta	360
ctttaacga	ttaa					374

<210> 3704

<211> 733

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(733)

<223> n = A,T,C or G

<400> 3704

gatgggagac	tnatttccgc	attcagaagt	tattgccacc	gacetttcac	caatacagcc	60
tcgaaacgta	ccaccgaatg	tcaacttttt	cgtcgaagac	tctccgaac	cctgggacta	120
ctcgcaacct	ttcgattaca	tccatacacg	agttacctct	gggtgctggg	ctaactttta	180
ggagcagatt	gcggaaccagg	cctttgaaac	tctgagacca	ggtagctggg	tcgagtctca	240
agagtatgat	gctaattgcca	tgtgtgatga	cggaaactctc	attccagacg	gncactttgc	300
aacatggntt	ngagaaatca	acgaanctgc	gggattgatg	ggtcgaccaa	caaagtgtgn	360
tgggactctt	cgtgattcat	acgtcgaggc	ggcctttgtt	gatgtccaag	tgcgcatttt	420
taaaatggcc	atgaacgggt	gggccaaaaga	tgagcgtttt	aaagagcttg	gtncaatgtg	480
ggaaagaaac	tttotaatgg	gggttnagggtg	gtttctcttt	cgcccttttc	aaccgtgtct	540
tttagaggac	accggcccag	atcgagggtt	ccgttggttg	atgttaggcg	ggaacttttt	600
gacaccgcaa	tcccnnecta	tataccaata	cncgttgtaa	tcgnacanaa	agccattccc	660
cggtgaaata	tccaccccan	gggtgcccgt	tcacatgagg	gacaaaggaa	ttcggaatca	720
tacntancec	ccg					733

<210> 3705

<211> 300

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 3705

tgctgagcgc	anaanaactg	ttgetcaacc	tgctccttat	cctcccaggt	ggtgatatac	60
accagtgggt	atgagacgat	actaggtgtt	ggtaactgata	tgatttatgt	agatgtcgaa	120
tgggagatgg	actgatttat	cttattttta	tqatgaacnaa	ttgacttgat	atttgggcgg	180
attggcaact	tgctatatatt	tacctgctgc	ttcanagaca	cccgccggac	agaagacaca	240
tacacagaca	aacacacaag	ctgttcttta	atatatatgt	tntgntatga	gaaaaaaaaa	300

<210> 3706

<211> 153

<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(153)
<223> n = A,T,C or G

<400> 3706
ntctgggctt acanggnccc caanagccca caatcatggg gtgggaggtt tggaacccca 60
catnggattg cctntgcnaa canttggggc gtnactgaca accgtgaggt ggaaaaggtt 120
gggaaaggtt tgaacctgac tgnaaaagcc gcc 153

<210> 3707
<211> 202
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(202)
<223> n = A,T,C or G

<400> 3707
gaacaacctg catgaagagc gagatcactg cttaaatacg catcgcttat gagtttctct 60
aacagaccaa cactggaacg atagggttttg tacggataac ggttgaaccg gngggtagga 120
taatgaaacg cctgtaatag tccaantnta cacaagcgcc aatggatgta gcctacaatg 180
acaaacaatg tncnttttct cc 202

<210> 3708
<211> 330
<212> DNA
<213> Fusarium venenatum

<400> 3708
tttacaacct acggcgcaac tcaattctgt cgcgatgggt tgcgccttgt ttccatcatt 60
gaacgatata tccccaatgg ctcttctatc ttcgacagct taactgaagg tattcagcta 120
ctgagtttgc cagttgaggg cggggaggca gacggtttaa cactcaaaga agctagtgat 180
agagtattca cggataacga ggaggcacgc agggttctcg aggaactaca tcttcaagag 240
ttgtcgccac aaagcgccag aaacattctg caacgccctg tagagaacaa cgaaaatgta 300
ggatggtaaa gaatagatta aattgggtat 330

<210> 3709
<211> 261
<212> DNA
<213> Fusarium venenatum

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 3709
cagctttgat agcaacggac gtaggaccag gagagcggct ccaacgcagg ggcggctcaa 60
gaaggagag agctctatct acgggtcgaag atggtagaat gctattaggc aaagccggca 120
acttgcgcaa cgaagtgaat ggaagttgcc tccggctttg cctcactata atgactatac 180
gcatggctct agaaagggaa ggaaaggcgt tttagaaggc tgtaggattt tatgatgcag 240
tttancatga aaaaaaaaaa a 261

<210> 3710

<211> 478
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(478)
 <223> n = A,T,C or G

```
<400> 3710
ngatttggtt gtotaaccog naaatgagct gcctttnttt tctttntttt aatcccccca      60
aaaaaaaaacg ggtacgaagt ccaantttna acaaagttgt cgtnattgat gggaagggcc      120
atthttnttg ncgactccct tnattggcgc caancaactt nttacgggca aaaaanngtt      180
atcgcccttg ggaggcctta aatnttngag aattttcccc caacttaant cccccccct      240
cgaaaaaaac cgaacaaccc ccccgggggg gccttcaatt cggctntttt aaatttttaa      300
agggcggggg atgatccccc aaaaacccgg ggccgttttt tancctnagg tttangggnc      360
ccttntaaaa aaaaaaaggg ggtccragtt tgggtttcat cccccggcaa tttnattggg      420
cgntntcaaa gngtgaaac aaatctncca tggagaaaaa agtanggcc tttaaaca      478
```

<210> 3711
 <211> 356
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(356)
 <223> n = A,T,C or G

```
<400> 3711
gatctgcgtc agcatcaatt catgccaata tgtgcgttac tgccaagtct tagcagcagc      60
gtttaacacg aatcatatct acatacctac ctaggcacct tgctaccgaa acccctcgac      120
tnaaanggtg tcataccaaa gtactttcaa agaccttgaa cccaggtaca aaagccggac      180
gcatacgaac acgcaaattc atttcttcca ctattctcag aactcgaaga gcgacaaaac      240
tgaaattcgc tattcttctt gccagtgtcg nggctgttgc tgcagcgcct ntatcacgga      300
cgacagatgg cggnttatga cttacaacat tcgnntggcc ctaacccctt gagcga      356
```

<210> 3712
 <211> 451
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = A,T,C or G

```
<400> 3712
caattatcta caggtoaatt atgcccacaa cgaaattcaa acatcgaaaag caaccttcga      60
attcaacaga caacacttgc attccacagc aggatgcttt catcaattat atatgcggaa      120
ttctatatct tctcttcaac ggcnaaagac gctcggcgnt tanacatcga acgataccgc      180
catctagatc tgtttaccgt tggcgngggc tgaacatcta ctaatatgca acacaaaaac      240
tttnttggga ctgcaactac cgtctcgttc aatcattact taaagtgttt gnacaaatag      300
tattgtctcc ttgtctact ctangcagga agtgcgtcaa aacttgaact cgtgttctgg      360
cctttengaa tctttgcat aatctunatg attgaatcat gcggctggaa ataggtaaat      420
aatgcctgag aanggaanaa abatggccct t                                451
```

<210> 3713
 <211> 349
 <212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(349)

<223> n = A,T,C or G

<400> 3713

gtcgcgttgg	acaagttcaa	gtttgaattc	ctgcatcatt	tgaattcttt	ttacgcttgt	60
gtaacgtcat	tnnaaaatcc	cgttgatata	tntatcggat	cagttcaatg	tcagaagagt	120
tgactctccc	tcctctccct	gctgtgtctn	gggatgagca	gtcccaaact	ttcagcaaca	180
acccccggaa	acgcgtccgc	aatgccgggt	ccaagcacgc	gcctccctng	ggcttnaaca	240
attcaagtga	tcccgccata	ttctctagt	atgacgatcc	cgcgttggac	aactatgtag	300
aaggcaggcg	aaagaanana	tacattgggt	cttgggttca	aaaaaaaa		349

<400> 3714

<211> 135

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(135)

<223> n = A,T,C or G

<400> 3714

nacacatatg	ggacttcctc	ctagagggtan	gagggnccttt	gaaaaggcta	tgaagaataa	60
aaggaatcaa	aacgtnaatg	caantntgtc	gtnaagggca	ttcctgcggc	ngatcganca	120
tgcactctaga	gggcc					135

<400> 3715

<211> 591

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(591)

<223> n = A,T,C or G

<400> 3715

attaggctcc	gtctacggaa	attatgtcgc	tctatcaccg	cctaacccca	gtcaccatgt	60
tgcaccctcg	acccggagact	cgggttcgtgg	cttgcttttg	acaaanaaac	actcgaccaa	120
ggtggcaacta	gctccttggg	ggttattagc	gctgcagtct	gctgctctca	ccttgcgtta	180
cccagacata	ccaacctctg	tcatecggca	cgggtgcagag	aacgggctta	acaccaacct	240
cgtaacatgg	tctcctgcaa	ctgtgatacc	gttggccctt	attttcagcg	ctggaattcc	300
tcttcgtttg	atcccatagc	catcgctggg	gaagaacttt	acatttgccg	tcaaaaggcc	360
ggaccagttg	aaaacgcagg	gtatatatca	atatgtccag	caccaagtta	taccggcctt	420
ctcactctca	tattttccaa	cgcagcaact	ctcggcagac	tggatggggc	tatcagctgt	480
tggattctctc	cacaaatatta	caatgccttg	tattggacag	tgggcatact	cgcaccatgt	540
gcataccttt	tcctgtgtgg	catatggaaa	anaatatgtt	gaagaaaaaa	a	591

<400> 3716

<211> 426

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(426)

<223> n = A,T,C or G

```
<400> 3716
nccccactga atagcattcct acaccccttg ctagaagcct ggaagcttac aaggaagcnt      60
tacaagagga aaggtaaact aaaaagggtga gagcacgagg attttatnng ggcttncttt      120
ctacaaattc acattccgac ttctgacacg acctgtgaca taaagctctg attttgcgac      180
cctgcgtgct ttccattac ctgcttagta ctacgcgatt tcgagccagt gttggcaagc      240
cccgtctcaa ccatgctttg aaataantgc ttcttgcttg cttttgncgc ancctcaaca      300
tcggcacana atatctcana gatgccagca atagcgactg naaccgcgac tgngacatac      360
tateccggct acattccact gcataagtta tnttcaagcg agacnattca tgccccgcac      420
acattt                                         426
```

<210> 3717

<211> 129

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(129)

<223> n = A,T,C or G

```
<400> 3717
nttgggtataa caggacaatt cctgtgtaca caactattat acaatgaccg atttgntcan      60
cattgttggg cnntagatag ggcngatata catggcagat gatagttgan cgaatgatan      120
tatgnaact                                         129
```

<210> 3718

<211> 543

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(543)

<223> n = A,T,C or G

```
<400> 3718
cacttcccc ttaatcctca actgcaattc accatgtctg attggaagcc cccagccttt      60
ggtaactccc tctggatggg tatccctgcc aaagacgtga ctgcgcctc ggaattctac      120
aagactgtct tcaagttntn ttttaaggag gccaccgaca agtncccaa agaacagctc      180
atgcaattcg actttaacc aagccttggc ctgacggcg gnatcaaaa agcccctgac      240
cacactggaa actttaacc tgggaaagga ggagtatgca tttactggta tgtcgaggat      300
gttgacagta tcggctctgt tatngagaan gctggtggta aaatgttgaa ccaaaaagaa      360
aaaggaagcg atcatggta tcccatntt tgagganctg aaggatccgc ggggccgtgt      420
atnaaatggt tgagccggac aaaacacggt tcaancacaa tgcaccttt acagtttata      480
tnaantgggt tggcaattga ttttgcaggt taaagnactt ataccatctc cctgaatctt      540
ggg                                         543
```

<210> 3719

<211> 444

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(444)

<223> n = A,T,C or G

<400> 3719

cgcgcctcctg	actgccacgt	cggtctctcgc	cagtgccatc	tcacctaacg	aagcgaatgc	60
tttgcaaggc	agacatattg	ctacctgggg	caaatgtaac	ggaacctctt	gcaaggtcaa	120
tggaaagaac	tatgggtgca	ccaagggctc	ttgcactcgt	caaagcggcg	gtggcgatgg	180
tgcccaatgt	gccaagttgg	gtggatctat	ctgctgcctg	gcggaactca	aaagggaaaa	240
ggttgcaaga	tggtaaaata	ccatgatcga	caaatcatta	ttgactcggt	caaccataca	300
cttcatatca	cttacgtccg	ncatgtttgt	tgnaaaagag	acaacggttg	ggctgaatta	360
tcagaactag	gttgacgcgt	tatgaatata	gccctttctt	actttgaaac	tcaaaataga	420
tactaaatac	atatctctaa	aact				444

<210> 3720

<211> 474

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(474)

<223> n = A,T,C or G

<400> 3720

cgggcgtagc	acttaacggt	aaataacctct	cttccttagct	ttaaccgact	ggtcggggaga	60
gaaagaatga	gaattgttcg	gccccctgcag	cctctttttc	gttctttctt	acgtttctat	120
ggataatggc	tctctttttc	ccctgaaggc	ttagggctag	agcgttcttg	ttaggttgct	180
ttggctgacc	cggtganac	ttggctcttc	tncaagaccc	gggtccgcgc	tcgttcatat	240
ctcggcttat	tcaacctgaa	ttgcatttag	ccggccaaca	agatgggtct	acacaagatt	300
aggnngcaga	ctttttgngn	ggacatgctc	atcaagtttg	ccattggcna	aactgggtcaa	360
acgatagata	tgaaatgaca	gggcccgcgc	angaacaaat	gcattgcattc	gatgtctatc	420
actgcggcgc	agtttttactc	acaggctcgca	nantttgtgg	ctntggacct	cgga	474

<210> 3721

<211> 244

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(244)

<223> n = A,T,C or G

<400> 3721

nttttttctt	taccancant	actaattgtg	acaagtcaaa	gacnttggcc	acaacctttt	60
accatgnata	aagaaatgcc	gttcnactgt	ngngngtatt	gtacataccc	atcaacacca	120
ccattgttga	caangnatca	tctgcactcc	atnttaccoc	aaanaaggan	gcntttccgg	180
acnccgtccc	agttgggctc	tacgccttaa	nggggttata	aaaaaaaaca	naagaacatt	240
tggt						244

<210> 3722

<211> 617

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(617)

<223> n = A,T,C or G

<400> 3722

cgcaggtcta	gcccaggtt	agaaaaggcg	tttcagggga	gtgacatgtc	caagagtgtc	60
cccgatcccg	aagcgcacgc	agggcaagca	ggcgagggcg	agtctgagct	ggtatcacga	120
ctcttgacgt	catttataac	aagcattctc	gaagcctacg	tcaactcaaa	caacttggaa	180

tgggcagcaa	ggcatctgga	atatctgaac	cctgagagga	ttctaccgag	gaagccaacc	240
atgctgcagg	cattttaagca	agtagacgag	cttcaaacca	gggacgcctt	ggttggacaa	300
ttagttgctg	ttgccccgga	cttgggcctg	gcggaattgc	cctctgacga	ggtcaagaag	360
attttgaggt	caccattcgc	tacgaatcca	ttgtctatcg	aacccgatcc	caacaatccc	420
gaagctatta	aactatcgac	tgggtggcct	tctttgcctg	actgcttatc	gcattgttcgc	480
atcanacatt	tttgacgcca	attacgaaca	gcccfaatgcc	aatatTTTTc	ctgagcatca	540
caacctgttg	aagaagtccc	tcctgatga	accacagact	cagatngaag	gcaacccccg	600
gcaccgtana	ggcattn					617

<210> 3723

<211> 357

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(357)

<223> n = A,T,C or G

<400> 3723

TTTTTTTTTT	cttgaagggg	gtttcctatt	tctgttctta	atacgatttc	aacgtcaaac	60
tcaatacgta	acctgaaagc	gaccaataat	tgaaacgata	acggacaccc	cnttgctnc	120
aaaagcaatt	gctntttatac	gagcgtgttg	ctgcaaatat	naaaatgtcg	ccgagaactc	180
caattcgcg	gcctccatct	caatcaaatt	tcatgagtgt	ttatcgctcg	ttatggaccc	240
gctcgtnatg	acgtctgtgc	cggggcattc	gctcccttgg	tctgngccgc	aagctccgat	300
ccaggtcgca	accacgttct	natatgccgg	acttgcagct	cgngatgata	gcattctt	357

<210> 3724

<211> 574

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(574)

<223> n = A,T,C or G

<400> 3724

ggcaacgggt	caaaagacaa	cacaacacga	aacatcaaaa	ctttagaccg	cgttcaaac	60
cgcgttttct	acagcacctg	ctacatctct	agggacccag	accacatctt	cttttgttct	120
agcgaaagaa	ccgagaccct	tcggccccag	ctgtgccagg	acacacgcca	tagcattatg	180
gattcgccct	acaaatgaac	atctcgccctg	gcttcatccc	cgcgccagtt	gtcctgtcca	240
catgtcgaaa	attgccaggg	gaagccagtc	aagttagtct	tqcatcctac	gcacgagcgg	300
atggatgttt	gggaaactcg	gcgatagatc	tgagatttct	cggatatcag	cttaagcgag	360
ctgagcgctg	caaactactc	tttacgcgan	gctctaaagc	aagcgtgcca	tcgagtagaa	420
cggatatacca	tcgagcagan	tcccaggcaa	cgtctttgat	ttcgtaatca	agttattgga	480
nccttganca	tcattcaact	tgacaagaga	catctccgac	aaatgccngc	tgttgatcat	540
tgcagacgan	aacaccacaa	atccatcttt	tttc			574

<210> 3725

<211> 307

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(307)

<223> n = A,T,C or G

<400> 3725

tcacttatac	ctatcatcat	tgcattgcga	aatctactgc	atcatgaccg	acatctctac	60
aactcctcct	ctgactcgtg	actcagtcac	tgaagctcac	aaactcatcg	gccaatacgt	120
ccactatacg	ccagttctca	ccaaccggac	catcactaaa	cttgccctcaa	ccccctgcac	180
agnggaggaa	cttgagggaa	ctcgcctatgc	tggaaggaca	ccggccccgc	cgggtgttgag	240
actctggttt	aaatgtgana	atatgcagcg	cataggagct	ttcaaagcta	gaggcccttt	300
catgcgg						307

<210> 3726

<211> 165

<212> DNA

<213> *Fusarium venenatum*

<400> 3726

cgactcaaac	cccgcgagct	agaggacggc	agtgtgattg	agcctcagag	tggatcaattc	60
aggaggtagt	ggatggagggt	cgggtgtttt	ggttgacatc	aaggaaacgt	agttctgttc	120
acgatccggc	tgcgatccac	gtcaagctcc	aatgggtcct	gcttac		166

<210> 3727

<211> 189

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(189)

<223> n = A,T,C or G

<400> 3727

ngaatacaata	aagccttggg	aaaaangtac	ttccanattc	ngttctggag	aattntcnac	60
aaggaattnt	ggtaaaaant	ggaccataan	gtttttgntt	cggnacacaa	aggccttggg	120
ttaaagaaac	tnggggttgg	ttgcatttag	ccaatccent	tcgggctttc	cgctttgttt	180
tgggccttt						189

<210> 3728

<211> 281

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(281)

<223> n = A,T,C or G

<400> 3728

cattaaagga	tgcctctcgt	ttaatctgat	gatgggttctg	ttgtatagtg	ctcgcacgtc	60
gtggaattta	aggcaactga	ggtgatgagc	aattattatt	gcgatgcggc	atcacgaatg	120
gaacttggag	gttaattgtt	acggnggtcc	tgtatattgc	tcgagattaa	gacatgaata	180
acggcaaatg	aatgatcaga	cttctgcacg	tttccgagta	taccangaga	tatggctgca	240
ttnaaagact	gntttttttg	cntattttac	gtncgcctta	g		281

<210> 3729

<211> 390

<212> DNA

<213> *Fusarium venenatum*

<400> 3729

cattactttc	attatttttc	tttggtttct	ttctcaatca	ccttggataa	ggaagagtca	60
caggcggata	ttataccctt	ttctatataa	caattttggg	atgggttgag	ggcggcctca	120
gagctggccg	gcactcgtc	tggagtttag	gtttctttct	tttactgaaa	tgatgttaca	180
gtcatcaaaa	agttggaagg	atacataggc	ccttccgtca	ttgctctggt	cagagggttg	240

tcacaaccct	ggcgaagaag	atTTTTgcct	acagcgaaag	ttgctgcaag	gccacacata	300
agttcgatcc	tgccccgaag	gccagggtaca	gttggacttg	aaagaattag	atagtaaaaa	360
tataaatgaa	gaccaggcat	ggcctgttcc				390

<210> 3730
 <211> 593
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 3730						
gTgaagagaa	gagaggtaga	tatacaagcg	atacaggctc	ttcgggagat	catatatcca	60
accaacaaca	tgcgaggcca	attgaagtta	tcaagagcgg	cccgaggggt	gagactgagg	120
gcattgcctt	catatgcctg	cacccagtct	cagtgcaggt	ccatacagat	cagcgctgcg	180
ccgagcactg	aagcgcccaa	agttgggtgg	gatgctttcg	gagctcttga	gacgaaggat	240
cctgcggatg	ctcgattcga	ggctctcggc	ttgccatatt	ccctactatc	tgtgacctgt	300
cggcatcgca	gaactctata	ctcggcgggg	cacattgggt	gctgttgccg	gcaacctgaa	360
aatgccaatc	tacctctcga	tctcaaccga	ttacacaacc	ctcctcgggt	cccttctcta	420
cagcgcatct	cactacacac	catcacagct	tgattcnaca	atcccacaac	acntcaaate	480
tcactcgatg	acacagatga	tatcccaaga	tcatgttggc	tggaaganta	tcttccctca	540
cgcctcaaac	actgaccccc	ctgggtatct	gtnaagaaag	ttgtctttcc	cng	593

<210> 3731
 <211> 134
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(134)
 <223> n = A,T,C or G

<400> 3731						
nnccccatag	ttnggaacat	nccccacagga	ccggaattaa	nacgtgccgc	gcctnaaccc	60
gnTTTTattcc	nncactaccc	cnTTTTatata	cggatctggt	gtggccctncg	ncctaanatt	120
aanaaagaen	cccc					134

<210> 3732
 <211> 175
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(175)
 <223> n = A,T,C or G

<400> 3732						
naaagcgctc	gngaggntct	ggTTTTnagtt	ttactntca	ccacccacca	cgangatgat	60
gatgaattct	gnggccccca	ntcttccaat	gngggccact	tncaaccggg	anccctttcg	120
acttttggtt	aatacantcc	actgacggng	acaatqqtqt	ttttnctgg	gccaa	175

<210> 3733
 <211> 429
 <212> DNA
 <213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

<400> 3733
ttttatttcc tgggggtata gggcggcgct ttttttttta aaatacatat tcccagaaga      60
atgcctctat ccctagtcct acggaccagc aagctcggga ttacaggaat caggaatcag      120
ccagcaacct atattgagaa gtaagaataa ttaataatat atgggggttaa tttcaaaaat      180
tacttacgcg ttgcttttacg agactccgtc tataaagctc gctatgtaaa tttgaagcga      240
aatttatctt agcataaatt ataagataaa gacgttcaac gactataagg ngagttatat      300
gcagtttttcg aggaagagca agctagccga tatataaagc tagttgcttt tacttgcagt      360
tttttcttcg aaaaatacta aacaataatc ctttttttacn cccaacatta ttattatata      420
tatatatat                                     429

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<210> 3734
<211> 486
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

<400> 3734
aatgaaatcg gcggggtttgg aggtgggtcaa aacttcattt tcaaccaagc atgtggaaat      60
cctgtccctt cgggggtgaaa gcttcatacc ctgggcccaa tgtcaagggt caagggtcta      120
tatgcagatc ccgtttcttg tacogtggtc ctgaattggc ttgtcttatt ctctacccc      180
agtctanaag aaattacgat ctttctgaga ccgccacaaa aaagtccctg canaaacgtt      240
gcanactttt gacagggtct gctaaacagc ggaaaggaag aaccgcctct acggcttgct      300
gatctttcag gagactgttc cttcaaaaaa ggaaggtctt taactggact aggttgctct      360
ggtgatcgcc aattggggct gtccanacct aggccaggat actgtaataa gntgggggtc      420
aaagttacac ccanggccca ggttttgatc gatcaagctc aaactcaatt gatgaaatta      480
tgngag                                     486

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<210> 3735
<211> 225
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(225)
<223> n = A,T,C or G

<400> 3735
ntaattttgcg ttcocnccat ttttttgctt gctctcgctc ccanttaaatt ccattttcaac      60
gttcgggttc cccatttoga cgattgganc caatgaaatt ggatgaaaac ctccctcttt      120
tgcttcaccc naaacctttt ggggaatcct tttgtcgagt ccngacatt aangatctct      180
ngnggttttt ggntttttaa acccnngctt tttaatcnc aacn                                     225

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<210> 3736
<211> 226
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature

```

<222> (1)...(226)
 <223> n = A,T,C or G

<400> 3736
 aagaaaatnc nggggacgaa agaaggagaa taaatggatt gggtcaacaa atacaaccca 60
 accatctgac aagggatagt ctacgggacg tacaaggtag atagttggag cgaccttgag 120
 aagactcacc tttctgactg tgcagggtct gtggacatgc ttccaggteg agtttccgaa 180
 tcgggtatcc taatcgntga gtactaaact gagtcaatcc tcaccc 226

<210> 3737
 <211> 341
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(341)
 <223> n = A,T,C or G

<400> 3737
 aaaancctcn tcttgaaga ncaactaatt tccaatcccg gttcagggtt agccgcgtgc 60
 cgttcgctgg aaccgtgtaa tgatgaagtt gtctcttgta cctgattgca atggaatggt 120
 atacttagct ttgtatcaag gnggctttgc ttacatcagt gtgaaagagc ataataaggt 180
 aacttactct caagccgtag cttttctaac aatctgaggc cagggtcttc tgagagttaa 240
 gtcaaaacct aactgtatgc actcaccgga agcacatcta tttttccata ctataaaaac 300
 acaaggagag tgaatcaaaa ctgtttttacg ggaaaaaaaa a 341

<210> 3738
 <211> 626
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 3738
 cggccgcagg aatTTTTTTTT tttttttttt tttttttgcg gaanaaagcc gagttaaaag 60
 ctaagcaaga agcaaacaaa agtgatggaa atgagctcaa tgacggagaa ggggaagaac 120
 aggcgggctt gctcttttga gatacaagtt gctgtacact ctgattcctg aacatagctt 180
 ttttgcctcc caatacccgat aatgtacacg tacgttcctg tctgggcatg ccaggaccca 240
 tctctcttat atctctatag aatcgttcac aattctcatt acaagttccc acgaggttcc 300
 gctatganac aaccttctcg acccancctt ttctctagct tttgacctca gccttgaagg 360
 ttttcacctc ctgccagcag tngagcggnc cttcggtcgt gctctcactt ttganentgg 420
 taccgctggt gtccaattga accagcctga ggaccctaca ctacttggtg ccgaaacttt 480
 gtntttgnac aagaccatag agactaccgg gcaaaaagtt ttgggtattt agcaagcacc 540
 atnaccttgc acangaacca caanattnaa ccgcacattt cccaaaggct gggcacccat 600
 ttctctttgn gccccaatgg cgacaa 626

<210> 3739
 <211> 418
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

```

<400> 3739
natgtgtnta atttacncca ccttgataa aaccttccat tgcaatgcc cggnttcgga      60
aatagcgcag gcaaggcntc ctttttttcg tcgactgang agggcatacc ancntttttg      120
agcacagagc gcacaaacca aantttccnt gtctganccn aattgtcgtt tcctggactc      180
aaaatgcatt tgttccgcgg gagggaaact gcctcgtcgc tgaacaattt ttntttggng      240
ggtancctct cgangggggg anattgaggc ccttntgata aaggngggga ngaaaaaana      300
anaagcccc ggctggtttt tattcnaaaan gcctacnggg gttaattgga ggggcccnaa      360
aaactnttaa agcggggggg ctgnccttta aaaactcgan agnggaagaa cagcgtat      418

```

```

<210> 3740
<211> 333
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(333)
<223> n = A,T,C or G

```

```

<400> 3740
ctggaagaat tcgcggccgc aggaattttt ccagtgcaca gactctgaag aaagacaaga      60
aggttgtccc tccagttggg aagacggcac gcaagacgcg aagtcaaggc cctggtgaag      120
tctaggcgcg atttataaat ctttccttat tttatcatta ccgttttatg agtgttgagc      180
aaaacattgc tccaaggatg gtacggnnaa aacggcacag tcggtgatgg gaacaggacc      240
agcttcccaa agtctgcctg attggaggta ttacgtgtat atttatgcgc caggtantaa      300
aacaatgatt attcgctctt ggaaaaaaaa aaa                      333

```

```

<210> 3741
<211> 293
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

```

```

<400> 3741
ggccaacctg taatacagtt ggtgtgtatt gtgacaaaatt tttggtgtat cttgantcag      60
gggtgtcagg ggtggtgata accaaaaata tttttgacac tggagttttg ggggggcntt      120
tnggggggtn tnggcaagcg actggcagat acgttttntt accttgcatt gttnggaggg      180
tacaacattt gaggcacat acgcaacagc ngtgtaatat gaggtttagg ggatcctncc      240
gaaggaacca aattaaaagc ntcttctcna tqccaaaaaa taanaaaaat tat          293

```

```

<210> 3742
<211> 374
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

```

```

<400> 3742
tctatgatga agagagcaac ggtacgtttc gtatacggga acacgttcag gaggargctc      60
gttgagagatt aaactagtgg tgcaatgttg agttgcatat tcttctgatg aaataccccc      120
tttgtcgaat acccttcacc taccactttt accggagttg accggcttgg tgtttttggg      180
ttggaaaaga ncatggcgag gatgagttga aatgaaacga gaaacgctca gcgcttgga      240
catgaaagga agctacattc ttacacttgg taecgggtcg tcgtatacct atttatacct      300

```

taaattctag ttactattgg aactgcgag agctcagtct tagcctcgta cgtgacatca 360
ataattggcc tggc 374

<210> 3743
<211> 339
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(339)
<223> n = A,T,C or G

<400> 3743
ccagctctcc tgcgaggaca attgatgcca tggtttgca acaaagtatt cctgtccaca 60
gcttcgctgt atggtgtgta ccaagtcatt catgatgaca gcttcttga ttggcctccc 120
tcgctcagc tcgcatggc cgtgttccc tabattgat cagtntattt gaacctntgg 180
cgnaattcn ttctccgta cgaagtcac ctgaaccgac agataatggg ccttccccca 240
atnaacccc gacnagatca gccgcccgc aacgaacnac naccggagca acgcggggaa 300
ggcggtttt tgggttctt caacggtntt atcgaggct 339

<210> 3744
<211> 286
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 3744
gttttttggg ctcctaata taacgttccc agcttcccg ncaagatttc ttttatgatt 60
ttcccgacat ccattcttat ccttgcttct cagctctatt aatccccacc cgaccgata 120
atatttatcc cctgcctgtc cttgntggac cctttacttg tcaagctcca ccgnttgctg 180
ctcgtcgcat ttccaccatc atcatgcac gacttatttt atgcgcctaaa cccgggagcc 240
tactgtttt aaatttaaaa cccccaccac ttccttatca aaaggc 286

<210> 3745
<211> 263
<212> DNA
<213> *Fusarium venenatum*

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 3745
aaaaattang aatcaaccac tatacgaat acatcaaat taatcatala agentgggtt 60
tateggaagt cattatttct atgctcgng aatcccttct gctccagca ccgcccagcg 120
acgcaaaaaa agaaacaaag cagcagtctg ggccagttag ccgatttntt ggtaataaac 180
cactcggca agttgatact agtaggaagt ctacatctgg ggagaaggan gccccaaat 240
gatgtgttcc gttgtctgcc tcc 263

<210> 3746
<211> 265
<212> DNA
<213> *Fusarium venenatum*


```

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 3746
gcgcacagct ggggtgatgac ttcaagtgtt tctttgacga gaagatcaac cctgtcctcc      60
acggcaccgc caatgacgct gccgccgttg tctaagcgct ctttgatgac aagtttggac      120
tattcaacgc aaaatctacg acactgtttt ttcttttaat cggcgtttgg aactgggac      180
tgagaggtct acgacgaatt tgatcatggg acttttggca tagacagcga tatagaatct      240
tgatatcaat tngaaaaaaa aaaat                                     265

```

```

<210> 3747
<211> 343
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(343)
<223> n = A,T,C or G

<400> 3747
accataactt ntttctacta ctaccccaaa ntgggcaaca catcaacatc accttcaaac      60
cccgagacaa aaganaaaaa gtcnctctac cgtcgctaca aagatagcaa agcaccctgn      120
ccactcagtg acgaggacat acaaaagtac acgggcaaga cgcgcgaaga actcacaacg      180
tggtgtgact caacgccttg cgtgggaaan aatcacctcg ctggtccgtg ccatgattgg      240
ggaaactttt gggtttgctg gagtanccat ggcagatgga tatggaggtt ggggacctac      300
cccgacccaa cgatgcaaat agaggaatga ntttntctca aag                                     343

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```

<210> 3748
<211> 577
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

<400> 3748
ccacaacaca ctcttttagaa tggcaatgcc acgagccaat ggacctttaa ggacttgtct      60
gcgccaaactg gtgcgctcag agggaccagc tctctctcgc tcgatagccg ccaqtcctcg      120
cgcattcacc acatctcatg cgcttcttaa gaagcgcaag atctcggcac ctgccaacag      180
tcccaataacc gccactgcga aagccgctgc ggggtctatg aacaaggccg agtatgacac      240
ggctaagggtg cccatgcccg acccagaaga tcctctcgac ttacagctg ttattgctgc      300
atacgcacc ctcgatgcgc atttcaagac tcaacttgca ggcatgattc atggcggtcg      360
cttcaaccca acaaacttgg gttcgttgcc cgtggctatc aaggatgaan aaagtgcga      420
cgcttcgttt cccctacgaa ancttgcgca ngttgttctt cgatctggcc gancattttc      480
gttaacttgtc aagacaang aatacattaa gcccatcatg ttagcattgc aatcgaaton      540
ggaattcaac cagcagcctc agcgatcaga ananaac                                     577

```

```

<210> 3749
<211> 348
<212> DNA
<213> Fusarium venenatum

```

```

<400> 3749
cttctcgtca ctgtaatgta ctgtgttcag aaagcaacaa aggtaatcgt ccgagaacgg      60
ctgtaagaat catgcgttat ttccgatggt gacatatcac tcgaaagaaa attaaaaacc      120

```

cgcaaaagac	ttgcattgca	atccagttag	aaagaaacag	cgacatcgca	atgtcatagc	180
ggcttactta	ctatcgctgt	gtttggcagg	ttgcacgagt	gatggggcta	aataaaaagaa	240
tagcgaacat	tgttgcaaac	atccatagtt	tcattttgatg	ctgatcattt	gaatcaaaaat	300
attccgagtc	ataataatac	tactgtttta	tctggccgaa	aaaaaatc		348

<210> 3750
 <211> 493
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(493)
 <223> n = A,T,C or G

<400> 3/50						
aagtgcgaacc	caagtgtctg	atctgagccc	agatgattct	gtgtgtggga	gcaatcaggt	60
acgggtaca	gggtatcat	ccgcaaacg	ccaaaccagg	gcctctccgc	tccgcccacg	120
attggatcct	tgatgtcneg	cccggtgcca	ngaaccggtt	gcagggggag	ttgcgagtac	180
aaatttcgtt	gtgaatggct	caagtctgaa	ggctgacacg	atagacaca	gaccacaaac	240
gtactgntag	tccttttaac	tataaactgc	tttcgtcatt	cattttccgn	tggtgttttc	300
tcaacatnca	tcgtcgatg	cccaaacccta	cttgggcctg	gcctgggctt	gggtgcttget	360
ttgtccgctt	accaagtata	ctatcccaaa	cttccannct	gcagtctgga	cnaatctcgc	420
tcccttggtt	gcatectgta	catattttata	gnacaaggaa	atngctcgcc	ttgatggang	480
tttttgtntt	taa					493

<210> 3751
 <211> 585
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(585)
 <223> n = A,T,C or G

<400> 3751						
gtagatactc	gtcatcccc	attccatcat	atcttaccta	tcatatctgt	cacaaccttc	60
agccttacag	atttcagaga	tcacatagcg	tttagcaaga	ccaggtagat	gggtagcatc	120
atcttactgt	aacggcaata	cgaatccttc	ccacttcccc	ccgatgctaa	ttgtacttcg	180
cctctgagcc	cctggcgctc	ggttcggctc	ctccacatta	ggcatgtcaa	tgttacaatg	240
atagactgca	gttccaacac	cgtacgatgc	tcggaaacga	tggacaattt	tatctcctat	300
tcgagacagc	tacctccaat	attctccgag	actcgtccgt	cgccgtcagg	caataqccca	360
aatttggtae	gacgcaatc	gccgatcccc	tatttgccaa	gcttgttttt	gggtgactaag	420
tctangtact	aangtggact	tttgaattgt	gctggcatat	aacgttaatc	gtcagggatg	480
acagaactaa	actccccaag	gtttctgtgc	aaaaagcact	gtttcagcct	ctctttccaa	540
attengantt	taacgantgc	gcagaagggt	gaactttgct	ccgcg		585

<210> 3752
 <211> 399
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 3752						
nngcaactct	tcaactactg	gcataccattc	ttactctcac	tcacactgtg	attatacttt	60

ntgggtacttc	tttttttctc	cttctactct	cttctcttna	aacaatcttc	tactcgtctc	120
ctatatattgt	acttctccat	aaaatacgtc	acgcaaacga	gacagatcca	tcgaatcgca	180
cccgcatctg	actttgacgc	tttcgacgcc	tcgtcncatt	cgttcaaccc	ccctttacaa	240
tctataccac	cacttttttt	tacgcgcgcc	gnagcctnga	ttctttttcc	cttcggcacc	300
tatgaccgca	gagctngacg	accttaaaan	aaacccnggc	nggcggccct	gatnatcaan	360
atggaaaaca	gaggatgcga	atggggaacg	cacattaac			399

<210> 3753

<211> 539

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(539)

<223> n = A,T,C or G

<400> 3753

canattcaca	gagtatgaac	caatcccaca	aactcancca	cagcctccta	nggatcatac	60
cctactggac	cttccttnag	agcttcacta	cactatnttt	gatcacctcn	accccattga	120
cagtgtttgt	ttcgggtctc	ctaactccaa	cttttacgat	attcaccgac	gattgcacgg	180
cactgtgccc	ctttccagtc	ggctactcgg	gccaaacaac	atggaatggg	cttggcgagg	240
agctggctct	nttggttcac	gacaagagag	agatcccgan	aaagaaggtc	cattgagcan	300
ctgcgtgtca	anggggcaag	tttactgcaa	aaagngcgga	atctcgcgat	gcgagctaca	360
ccgtnttttna	aggactggat	tccccgangg	ctccnatact	tgtntatnaa	ggaaactttn	420
gaaaaccogt	tggngaggac	tcaagccnnc	tggtcttgaa	gtcncccaan	accncacan	480
tttggccccc	tggagnaana	aggccattaa	cnttttaacc	aaanaattaa	aaaaaacgg	539

<210> 3754

<211> 138

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(138)

<223> n = A,T,C or G

<400> 3754

cgaaagggtc	tgacaagccc	attaatgatt	aattatatat	acacacatac	acagactccg	60
gtgcctcaat	tttacgtggt	agggtgattat	tgaagacagt	gatccatgga	gcaaaattaa	120
actccattcg	ctcaaann					138

<210> 3755

<211> 337

<212> DNA

<213> *Fusarium venenatum*

<220>

<221> misc_feature

<222> (1)...(337)

<223> n = A,T,C or G

<400> 3755

ngatcccttg	aatggggagc	gctgttagga	atcaaaaagan	ngggattttta	cgtggagcgt	60
ttgtctctga	atgatttgag	tttggggctc	gacgttccct	ggatagatca	tcaccactcc	120
aagaaaggga	aatcatttgc	atgtcgtgtc	atgacatata	atggcatttc	gtgttagcag	180
catagaaggg	gccggggcgt	ttatatatca	gctggggagga	aaagattagg	gccaaanaaga	240
tncttggccg	agtcaaagga	aagcacagca	gaaggtcctg	ctgcttgtat	catcaatcaa	300
tcaccattaa	aggaatggcg	tttttgcctt	ttactat			337

<210> 3756
 <211> 595
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(595)
 <223> n = A,T,C or G

```
<400> 3756
caagatagtc aaggaggcgc ttattgtgat ttgagcgtgt ggttcctcaa gcgcaagttc      60
atggaatatg ctaaagagaa taaatggggg gagttctgtc gacagttcaa tgacagggcg      120
caactaccgg attgtccaaa actcaacggt gtcaaggcta gccaatatac gtggtacaag      180
ccraaaatcty gaccagaagg actgcagget tggggagcgt gthaccatga ttacttcttg      240
gcttcagaag acgaagaaaa atggaaccaa atcattggan gtgatttcgg caogaagtgc      300
aatctggggc aactgaacca tgctattctc atgcaccaag ccatggacga tgaagacaga      360
agtctctttt ggaacgcggt gaangagata gacaagtatc cgttctgtac agtcagggca      420
tcagggggcg tgtttggtat acgccatta acaaccctcc tggggtnctc gcnccgcag      480
ttaccaaggt ncgtgaaacc anttggaaga tcnaagtggg ttatganaaa cacaatgtcc      540
ccnggatggc tnttctgtt cggttccatc tggactcacn cgcttcaaac ctgga      595
```

<210> 3757
 <211> 636
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

```
<400> 3757
cttagaccgg tgacgtctat caaacagaca gagggtatac caatcacgac tattctgacc      60
tatccaacag gctcagaag gtntnttttca cggaaactccc anaaacacca acaacgccac      120
caagaacaat ttcataact ggcttatgaa atctgattcg atggctctga aagttatccc      180
caaagcctna tctgcaggcg gttcagtga aaggaaanaa acttcanaaa gtggtggacg      240
gacctgctac cgggcagtgt gccagatacc ttccattgga caatttcatg cancacctag      300
aatggtgttc tccgcagctc gctctctana agcctcctcg agagcaaggt gtcgtcgaag      360
acagntatac caccagcaga agcctgacta tggaaaaaagt caagtgacca aggtagacac      420
tccgacttgt catgttgctc aacacaaaaca gacacatggc gacttgagac atgtntactg      480
ggaacatgat caaacttggg atcgggggtct gccanctaaa aaaaacggcc ttgatcccaq      540
tctcgagagg atcaataacg tttacaaaag cncgcaccaa actttggagc ttttagccat      600
aaaagattta aaaaacaagc tagggtgctt gggcct      636
```

<210> 3758
 <211> 635
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

```
<400> 3758
aatttcacaga atatcctcca naaggggtgt taggtaggca gtctcatcct atggctgctg      60
cacctaatta ggcattgncg caatagagat tntattttaag aactggcatc ctatcactac      120
ccgcgaagct gcgtagaatg agtcaaaaatt actttttacaa agccctagtc tgtcgcaaaa      180
```

acttgggggta	tgaggcacia	ccttgcgatc	atgcagcaag	ccgttggtct	tggtcagcct	240
ggacactgat	ttgccgaacg	gtttaacaac	cggtaagat	ttagagggat	ttattcccca	300
tatacatcac	cgacaacacg	gttcaggagg	cgtttctggt	gtacaccgaa	ggggggaagc	360
tgcattgact	gtcnaagcca	caaacgctg	caattcggtc	aaccatgtgc	tgcagcgcac	420
agccgacaga	tttgggtgtg	ggatatgcaa	ccaggaatga	ngccccaatt	cgggacggca	480
gatgtgataa	ttactatctc	ggctcattng	aacgggtttg	agttcgggca	caaaaccaat	540
tcgactnttt	tgcctanaga	ttcgagccta	attaaggcac	caaacattct	ttgacttgat	600
cgtcaccaca	agggcccggt	tgcacccggc	attan			635

<210> 3759

<211> 589

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 3759

cttattacta	tcgacgggtca	acgggtcagca	agacaagaca	aggccctggt	tcagcttccct	60
tacgagccac	gttgatttca	acacgctagc	agttccagta	taccaaaattt	atttttacat	120
attggatcca	atacagccgc	ccactctggc	tggagtactc	tggaagggt	cgccggacac	180
tcagaaagag	aagtccttgc	gaccaagtaa	tatcatgact	caaccatcag	cacaacctcg	240
tcttgcgcca	caattttgct	tttcatatgg	gacgttacga	gactttctac	gactgtcaag	300
atcatcgata	gatgattcaa	tcacccagaa	tctcaatgca	ctgttaacgc	cgtcacgac	360
cggattcgac	catctttctac	cttacaacgt	acttcccgc	cggcttcgaa	gcagatcgac	420
tctcggtcat	gctcggaatt	taaggagaag	gtgctgttcc	cttctctggga	actcggacca	480
ggtcggaatt	attgtgcttt	ggtagcggca	accngaccc	gatgatccgg	accgtacac	540
cganacttga	aagaaacaag	acgtgacgaa	ttgttgacaa	caatggatc		589

<210> 3760

<211> 476

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(476)

<223> n = A,T,C or G

<400> 3760

tccctctatt	agaattcana	ccttttccca	ataaagaaga	aagaagaaaa	agaacaagac	60
ctagaacctc	agatattata	tctcaggctc	tgtcatatta	acataaacat	ctccagggtt	120
cactccggct	tcgcaaagtc	tactcactct	gtcgtcatcg	cttctcgcgc	ccctctatcg	180
gcctaagtaa	caaatacaaa	caaacaaaac	ctcccggtac	cggcagtggc	caatacaacg	240
ccactgcttt	ttccgagaat	cctttttattt	tcttttttat	accaacttga	attcttgccc	300
accgttgggt	ggcaagctga	gttnttcac	ccgntaaac	cttactttta	ccgntnccgt	360
ctgttcangg	nccggccatt	gatatccttg	cttaaaaana	ttgaaggntc	tncttttact	420
ctaccccccc	gggggngctt	tgtttccccc	ctttaaagag	gctatttgac	cttttg	476

<210> 3761

<211> 450

<212> DNA

<213> Fusarium venenatum

<220>

<221> misc_feature

<222> (1)...(450)

<223> n = A,T,C or G

```

<400> 3761
agcggttttgt ttcataactaa agttctttccc tttgtactcg atctctacaa actctttttcc 60
tttgttcttc tatagcgaat ctcggtttttt cgcgacagcg ccatatgctc ttgatccaac 120
tgcaaccgctc atgaccagtc atcctccacc atgattgaac catntattcg tgtccgncgg 180
gcaattcacg ccaacgatgc gacctactg caccgaatcc tnaagacaca cccgaactat 240
ctcctaaacc cggattcttc tcttccggc cagtccaact ngaatatgca cctagcagct 300
tntntaggca ccacgaagtc tgcgaagtct gttaaagcta ggccacnaag accatgccct 360
gttttaacna aagccaccaa actgcttgat gctgntgcag tggcggcatc cgaagcgtec 420
aaatttttgn gaacaccaan aaaaatgctt 450

```

```

<210> 3762
<211> 447
<212> DNA
<213> Fusarium venenatum

```

```

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

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<400> 3762
tgccatgtca ctacataact tgactgggggt tcgtggcctc gaaaccccaa gtcggtgacc 60
tacgactcgc ctctgatccg gatttgttct gcgacttggg aggatgcgat tttatattcg 120
tcgaatcatc agttccgctc aatccagaga aagaactagc tgatatgtca tcatggcaac 180
cgataatagt agccacgcca cgcaagatga ctgtatcgac aaagtgcgaa gcttatcccc 240
tgataagtgg cggcgacggg tcatccactg agattgggta tcgaaagaat gcaaccaatg 300
gcgggagtcg ggaaaccgct cttgtcagtg ttccttgacc gcagacaccg aacagacata 360
tcntaaccaa cacatccttt actgtggcct ggctgcacac cgtcccgcgt ttganaatcg 420
gccaagatcc ctgttttact cctgcat 447

```

```

<210> 3763
<211> 331
<212> DNA
<213> Fusarium venenatum

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<220>
<221> misc_feature
<222> (1)...(331)
<223> n = A,T,C or G

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<400> 3763
caccatcttg acaataactac gaaactaata atcatttcat catgtctcgc agncccaqtg 60
gcaaactcga caccgatcgc gctgagatgg aacatatcca gccagctatg agcattccgc 120
tctcccttga gttgttcgaa cagttatacc tccancccca naacagagtg aagggcgatc 180
tccgcaagac gtttggcaat ccaacaccag ttgcgttggc cggctttttg ctatgcacca 240
caccggcgtc catgtcatta ctgaactggc agggcgagtg tggattcnct gctgcancan 300
tcgttggtgt ctacttcggt atcgggggct t 331

```

```

<210> 3764
<211> 213
<212> DNA
<213> Fusarium venenatum

```

```

<400> 3764
gttttttctt ctggtttacc acgaatcatg cgcaggtgtg cgagctttctg ctacgcgcgag 60
gcgttggatg tggattaatg gcgttggaga gcggatttca gcataccggt tgggtcaagt 120
tggttgttac gccacttggg gcgtcgaatt tgcattgcta gatactttat ttaagtttgt 180
aggatggcag aaaataaagt tagagatata cgg 213

```

<210> 3765
 <211> 194
 <212> DNA
 <213> Fusarium venenatum

<400> 3765
 catgaaagaa acacaagttc ggtgacgggc ttgtgagtga ggcgaatgga gagcaagcct 60
 ctggcgactg tggcaaggcg acaagcatat ggtgttcggt accataatga cttgaactaa 120
 cacctgcgag aaatgcctcc aggtgaatag tttttcacag tagtgagata gaaataaagt 180
 tcaagttctc tccc 194

<210> 3766
 <211> 226
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(226)
 <223> n = A,T,C or G

<400> 3766
 ncgtncatgn atgaagcaaa tnnttttttc aggccacacc cgaacgcttc aggnacagcgc 60
 gtgctattct ccnaancccc agccatngtg nggctcaaaa cttngggttg gtgccgcgcgc 120
 atnggtttac ggggggggat ggctcgnttg ntccnaatt aaaanggggt nccnaacctg 180
 cctgggnaan cttttntaa caattnggtt gataaaccgg gcacgg 226

<210> 3767
 <211> 343
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(343)
 <223> n = A,T,C or G

<400> 3767
 tgactgcccg gtgaccant tttcaaagcc acncgccang ggataaagcg ttaagtcaga 60
 attgaaattg taaagggaga ttcagagcgt cgtgactctt gactagacta gtctattctt 120
 gagtatccgt aaagtgaagc aagtgtcat gattaaattg ctttagggta ggctgctgat 180
 cettgaatga gcttcaagag tgacagcgcg gaagtatgct cgttattcag gtcagctgga 240
 atgtaattgt ctgcacttga tagcagatct tacggatagt tanacnccat tgctatcgtt 300
 tgttaaacta atggccttct tacccttgac tagcaatcaa cca 343

<210> 3768
 <211> 377
 <212> DNA
 <213> Fusarium venenatum

<220>
 <221> misc_feature
 <222> (1)...(377)
 <223> n = A,T,C or G

<400> 3768
 gataagtcac tcaaaatggg cggcggcgga aaagtccctt accctaagca cgtctggctc 60
 ccagccggtg gttggtacgc gcagcctgcc aactggcgcg gcaatactct gattgctggt 120
 gtcgtcatgg ccggtatcgt ggctgttact tgggaagttca gctctgagcg agaacaatgg 180
 ggcacccgac ctgagccagg tcaatggtac gccagccgac actggtcaaa gcagttgaag 240

cagtgggatg	cggaggaccg	tgagaactca	acaaagagcg	aatagagtct	ggataaaaag	300
acctgtgtat	atttctgcga	cagctgaaga	caacctcgag	ttaaagatca	caaaacaaaa	360
naaaaaaaaa	aattcct					377

<210> 3769
 <211> 286
 <212> DNA
 <213> *Fusarium venenatum*

<400> 3769	
cccagggcaa	gcgctgggtt
tcggcgctga	agtgtccct
gtaacgagat	taccctctct
accatgaacc	agccaggata
tgtttgctgt	aatcttgtgt
	agttcaagaa
	tataatcgat
	acaagt
	60
	120
	180
	240
	286

<210> 3770
 <211> 425
 <212> DNA
 <213> *Fusarium venenatum*

<220>
 <221> misc_feature
 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 3770	
ggttgtctgt	acgatcccta
taagacacga	gacgagacga
acctagatta	gcggagggtc
gucgatgctg	aaagccattt
tgcccaacca	ttgttggcaa
ctcctttacc	tactgntggc
gtagggcttg	actaaagaag
gaact	
	60
	120
	180
	240
	300
	360
	420
	425

<210> 3771
 <211> 2258
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(2258)
 <223> n = A,T,C or G

<400> 3771	
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ctgcacaggg	ttggcaaatg
ogaagcgacc	gtggctcgta
gtcgggcgcg	gactctggca
ctacacctgg	actcgcgact
tgagagatac	agtctctctt
gggtatcagt	aacctctctg
caatgtcgat	gagactgact
cttgagarca	actgtatga
gcaccgcaac	ggacattgtt
actggaacca	gacaggatat
ttgctgtgca	acaccgcgcc
cttgcctctg	gtgtgattct
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	780

ccggcagctt	cattctggcc	aacttcgata	gcagccgttc	cggcaaggac	gcaaacaccc	840
tcttggaag	catccacacc	tttgcactg	aggccgcag	cgacgactcc	accttccagc	900
cctgtcccc	gcgcgcgctc	gccaaaccaca	aggaggttgt	agactctttc	cgctcaatct	960
ataccctcaa	cgatggtctc	agtgcagcgc	aggctgttgc	ggtgggtcgg	taccctgagg	1020
acacgtacta	caacggcaac	cgtggttcc	tgtgcacctt	ggctgccgca	gagcagttgt	1080
acgatgctct	ataccagtgg	gacaagcagg	ggtcgttggg	ggtcacagat	gtgtcgctgg	1140
actttctcaa	ggcactgtac	agcgatgctg	ctactggcac	ctactcttcg	tccagttcga	1200
cttatagtag	cattgtagat	gccgtgaaga	ctttcgccga	tggtctcgtc	tctattgtgg	1260
aaactcacgc	cgcaagcaac	ggctccatgt	ccgagcaata	cgacaagtct	gatggcgagc	1320
agctttccgc	tcgcgacctg	acctgggtctt	atgctgctct	gctgaccgcc	aacaaccgtc	1380
gtaactccgt	cgtgcctgct	tcttggggcg	agacctctgc	cagcagcgtg	ccgggcacct	1440
gtgcggccac	atctgccatt	ggtacctaca	gcagtgtgac	tgtcacctcg	tggccgagta	1500
tcgtggctac	tgggcgccac	actacgacgg	ctacccccac	tggtaccggc	agcgtgacct	1560
cgaccagcaa	gaccaccgcg	actgctagca	agaccgcac	cagtacgtca	tcaacctcct	1620
gtaccactcc	cacgcgcgtg	gctgtgactt	tcgatctgac	agctaccacc	acctacggcg	1680
agaacatctt	cctgggtcgg	tccatctctc	agctgggtga	ctgggaaacc	agcgacggca	1740
tagctctgag	tgttgacaag	tacacttcca	gggaccgcgt	ctgggtatgtc	actgtgacbc	1800
tgccggctgg	tgagtcgttt	gagtacaagt	ttatccgcat	tgagagcgat	gactccgtgg	1860
agtgggagag	tgatcccaac	cgagaataca	cgttccctca	ggcgtgcgga	acgtcgaccg	1920
cgacgggtgac	tgacaacctg	cggtagacaa	tcaatccatt	tcgctatagt	taaaggatgg	1980
ggatgagggc	aattggttat	atgatcatgt	atgtagtggg	tgtgcataat	agtagtgaaa	2040
tggaagccaa	gtcatgtgat	tgtaatcgac	cgacggaatt	gaggatatcc	ggaaatacag	2100
acacgtgaa	agccatggtc	tttccctcgt	gtagaagacc	agacagacag	tccctgattt	2160
acccttgcac	aaagcactag	aaaattagca	ttccatcctt	ctctgcttgc	tctgcttgat	2220
atcactgnca	ttcaaaaaaa	aaaaanaaaa	aaanaaaa			2258

<210> 3772

<211> 810

<212> DNA

<213> *Aspergillus niger*

<400> 3772

gttgtttgac	ctggcccaca	ccacggggctc	cactgtaatg	cgcgcacttt	cctgggaatt	50
ccctaattgac	ccaacattgg	ctgcgggttg	gactcaattc	atggttgggc	cggccatcat	120
ggtggtccc	gtattggagc	ctctgggtcaa	tacgggtcaag	ggcgtattcc	caggagttgg	180
acatggcgaa	gtgtggtacg	attggtacac	ccaggctgca	gttgatgca	agcccggggt	240
caacacgacc	atttcggcac	cattggggcca	catcccagtt	tatgtacgag	gtggaaacat	300
cttgccgatg	caagagccgg	cattgaccac	tcgtgaagcc	cggcaaacc	cgtgggcttt	360
gctagctgca	ctaggaagca	atggaaccgc	gtcggggcag	ctctatctcg	atgatggaga	420
gagcatctac	cccaatgcc	ccctccatgt	ggacttcacg	gcacgcgggt	caagcctgcg	480
ctcgtcggct	caaggaagat	ggaaagagag	gaacccgctt	gctaattgtga	cgggtgctcg	540
agtgaacaag	gagccctctg	cggtgacct	gaatggacag	gycgtatttc	ccgggtctgt	600
racgtacaat	tctacgtccc	aggttctctt	tgttgqgggg	ctqcaaaact	tgacgaagg	660
cggcgcatgg	gcggaaaact	gggtattgga	atggtagtgt	cagccacaag	ccagggtgtgc	720
gcgtacagca	tgcaacatgg	gaacgatgct	ctgcaatgta	gctctttggt	tataattcaa	780
aattcaactt	ycacctttga	aaaaaaaaa				810

<210> 3773

<211> 619

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(619)

<223> n = A,T,C or G

<400> 3773

cggtctcaag	ctaccgctcg	atcatatacc	agcagggctg	cgaccagcgt	tagcatatct	50
ggtqatatct	ctagccagct	tcattctggc	tatagtcac	cactgagtag	atcatggcaa	120

gccgagaagc	agttgaccaa	ggagatgctc	atatatcccc	ttttcattac	cgataaacct	180
gatgaggaga	cgctattcc	atcccttcca	aatcagtatc	gccgaggact	gaatcggttg	240
gtccccctct	taagaccatt	agtacagaaa	ggcctgcgtt	ccgtgattct	gttcggtgtc	300
cctttgcac	catctgcaaa	ggatgcgctg	ggaaccgctg	cagatgaccc	gaccggtcca	360
gtagtccagg	ccatacgct	tcttcgttcg	cgctttcctc	aactttatat	cgtgacggat	420
gtttgtcttt	gtgaatacac	ctcacatggt	cattgcggga	tactacgtga	ggatgggacg	480
ctcgataacg	cacagtcctg	tgatagaatc	tcagatgtag	ccctcgccca	tgtctgtgcc	540
ggtgctcact	gcgtggctnc	gtcagatatg	aatgacggca	gaatccgngc	cataaagctg	600
aagcttattg	gaactggca					619

<210> 3774

<211> 1174

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(1174)

<223> n = A,T,C or G

<400> 3774

ggaaccacgg	gttgcggttg	tagtacgtgt	cctcagggtg	ccgacccacc	gcaacagcct	60
cgctgtcact	gagaccatcg	ttgaggggat	agattgagcg	gaaagagtct	acaacctcct	120
tgtggttggc	gagcgcgcgc	ggggagcagg	gctggaaggt	ggagtgcctg	catgcggcct	180
caggatcaaa	ggtgtggatg	cttcccagga	gggtgtttgc	ggtcacagat	gtgtcgctgg	240
acttcttcaa	ggcactgtac	agcgatgctg	ctactggcac	ctactcttcg	tccagttcga	300
cttatagtag	cattgtagat	gccgtgaaga	ctttcgccga	tggcttcgtc	tctattgtgg	360
aaactcacgc	cgcaagcaac	ggctccatgt	ccgagcaata	cgacaagtct	gatggcgagc	420
agctttccgc	tcgcgacctg	acctggctct	atgctgctct	gctgaccgcc	aacaaccgtc	480
gtaactccgt	cgtgcctgct	tcttggggcg	agacctctgc	cancaacgtg	ccccggcacc	540
tgtgcggggc	acatctgcca	ttggtaocta	cagcartgtg	actgtcacct	cgtggccgag	600
tatcgtggct	actggcggca	ccactacjac	ggctaccccc	actggatccg	gcagcgtgac	660
ctcgaccagc	aagaccaccg	cgactgctag	caagaccagc	accagtacgt	catcaacctc	720
ctgtaccact	cccaccgcgc	tggctgtgac	tttcgatctg	acagctacca	ccacctacgg	780
cgagaacatc	tacctggctg	gatcgatctc	tcagctgggt	gactgggaaa	ccagcgcagg	840
catagctctg	agtgtctgac	agtacacttc	cagcgacccg	ctctgggtatg	tcactgtgac	900
tctgcgggct	ggtgagtcgt	ttgagtacaa	gtttatccgc	attgagagcg	atgactccgt	960
ggagtgggag	agtgatccca	accgagaata	caccgttcct	caagcgtgcs	gracgttgac	1020
cgcgaccggt	gactgacacc	tggggcgtag	acatcawtcc	aatttcgcta	taattaaaag	1080
gatgggggatg	aagggcaatt	ggttwtatga	tcatgggtatg	tagntgggtg	tnatnaata	1140
gtagtgaat	gggagccaaa	gtcatgttga	ttgt			1174

<210> 3775

<211> 1389

<212> DNA

<213> *Aspergillus niger*

<400> 3775

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tccagactca	acactcctgg	gcacattcgt	cgagaaccac	gacaaccac	ggttcgcttc	120
ttacaccaab	gacatagccc	tgcgcaagaa	cgtcgcagca	ttcatcatcc	tcaacgcagg	180
aatccccatc	atctacgcgc	gccaaagaaca	gcactacgcc	ggcggaaacg	accccgcgaa	240
ccgcgaagca	acctggctct	cgggctaccc	gaccgacagc	gagctgtaca	agtttaattgc	300
ctccgcgaac	gcataccgga	actatgocat	tagcaaaagt	acaggattcg	tgacctacaa	360
gaactggccc	atctacaaaag	acgacacaa	gatcgccatg	cgcaagggca	cagatgggtc	420
gcagatcgtg	actatcttgt	ccaacaaggg	tgttcgggtg	gattcgtata	ccctctcctt	480
gagtgggtgc	ggttacacag	ccggccagca	attgacggag	gtcattggct	gcacgaccgt	540
gacggttggt	tccgatggaa	atgtgcctgt	tcctatggca	ggtgggctac	ctagggtatt	600
gtatccgact	gagaagttgg	caggtagcaa	gatctgtagt	agctcgtgaa	gggtggagag	660
tatatgatgg	tactgctatt	caatctggca	ttggacagtg	agtttgagtt	tgatgtacag	720

ttggagtcgt	tactgctgtc	atcccccttat	actcttcgat	tgttttttcca	accctaattgc	780
caagcacgct	agtctattat	aggaaaaggat	cgggattaat	gtgtttttcat	aacgcgggtac	840
tgtatggtac	ttctgtatta	tatcacccgaa	gtcatgtat	cttacatgta	tatattatac	900
agacacaacc	ttggttatgt	acatcaaact	caaactcact	gtccaatgcc	agattgaata	960
gcagtaccat	catatactct	ccacccttca	cgagctacta	cagatcttgc	tacctgccaa	1020
cttctcagtc	ggatacaata	ccctaggtag	cccacctgcc	ataggaacag	gcacatttcc	1080
atccgaacca	accgtcacgg	tcgtgcagcc	aatgacctcc	gtcaattgct	ggccggctgt	1140
gtaacccgca	ccactcaagg	agaggggtata	cgaatcacc	gaagcaccct	tgttggacaa	1200
gatagtcacg	atctgcgacc	catctgtgcc	cttgccgatg	gcgatcggtg	tgtcgtcttt	1260
gtagatgggc	cagttcttgt	aggtcacgaa	tcctgtatct	ttgctaattg	catagttccg	1320
gattgcgttc	gcggaggcaa	ttaacttgta	cagcactacg	ccggcgga	cgaccccgcg	1380
aaccgcgaa						1389

<210> 3776
 <211> 1048
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(1048)
 <223> n = A,T,C or G

<400> 3776						
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tcctggacgg	cgctctcaac	tatccgatct	actggcaact	cctctacgcc	ttcgaatcct	120
ccagcggcag	catcagcaac	ctctacaaca	tgatcaaact	cgtcgcaagc	gactgctccg	180
atccgacact	actcggcaac	ttcatcgaaa	accacgacaa	tccccgtttc	gcctcctaca	240
cctccgacta	ctcgcaagcc	aaaaacgtcc	tcagctacat	cttctctctc	gacggcatcc	300
ccatcgtcta	cgccggcgaa	gaacagcact	actccggcgg	caaggtgccc	tacaaccgcg	360
aagcgacctg	gctttcaggc	tacgacacct	cgcgagagct	gtacacctgg	atagccacca	420
cgaacgcgat	ccgcaaaacta	gccatctcag	ctgactcggn	ctacattacc	tacgcgaatg	480
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tggactcgag	cggcgatatt	cccggtgccga	tggcgctcggg	attaccgaga	gttctttctgc	720
ccgcgtccgt	cgtcgatagc	tcttcgctct	gtggcgggag	cgggaagatta	tacgtcagat	780
aatccggagt	ggtcgggttac	tgtgacgttg	cgggtgggga	ccacttttca	gtataagttt	840
attaagggtg	agtcggatgg	gactgttact	tgggaaagtg	attcgaatcg	ggagtatacg	900
gtgccggagt	gtgggagtg	ggagacgggtg	gttgatactt	ggaggtagat	gatctgagat	960
ttctaagtgt	gatgaggggtg	gttttggtgn	atgtaagttt	gggcttttgg	agtgttgggg	1020
ttgggttggg	ttaatggata	tggtatgg				1048

<210> 3777
 <211> 670
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(670)
 <223> n = A,T,C or G

<400> 3777						
agccaaggca	ccaccaccat	ggcatgcgt	cgccccgcg	aggtcttctt	gaacgagctg	60
ggcggttccct	acgaggaaga	cctagcgaac	cccaactacg	ttgtgggtcaa	gcacgcctcg	120
ctgttccact	cgacctgtt	gtccaagggt	ctctccttcc	ccaacgtcaa	gctcttcaac	180
gccaccagcg	tggaggacct	gatcactcgc	cctgctgcc	gcggcgaccc	caaggaagtc	240
cgcattgcgc	gtgtgggtcac	gaactggacc	ctggtcacac	tccaccacga	cgaccactcc	300
tgcattggacc	ctaaccaccat	caacgctccc	gtgatcatca	gtaccaccgg	ccacgacggt	360

ccttttcggtg	cctttctcggc	caagagactc	gtctccatga	acagcgtcga	caagctgggc	420
ggtatgcgcg	gcttggacat	gaactcggcc	gaggacgcc	tcgtcaagaa	caccctgag	480
gtcaccaagg	gtttgatcat	csgtggtatg	garctgtcsg	agatcgatgg	cttcaamcgc	540
atgggtccta	ctttcgggtgc	tatggtcctg	agcgggtgtca	aaggtgccga	ggaagcgctg	600
cagatctttg	acgarcgtaa	gcgcgagtg	gctgagtaaa	tgtcttcagt	caactcaaat	660
tgagtgnag						670

<210> 3778

<211> 612

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(612)

<223> n = A,T,C or G

<400> 3778

attggcgcta	cgcacaccct	gcacggcttc	atcaagcagc	acaccagcca	ggaccgcgtc	60
gagtccttgt	atgaccgcgc	ccagtttgcc	aactctgcc	ttgaccgcat	cgctccctcag	120
caagccccca	acagtggcct	cgaagtcgcg	attgagaagt	tctacgaatg	ggctgtcgag	180
aagactccct	ttggctctgt	cggccaccca	gacattcctg	ccatccactg	ggttgacaac	240
ctggagccat	acattgagcg	caaactgttc	actgtcaaca	ccagccatgc	tactactgcc	300
tactttggtc	acttccgggg	caagaagatg	attgctgacg	ctctggagga	caaggagatc	360
cgtggacttg	ttcacaaggt	tctcgaggag	actgcctcac	tcctcgtggc	caagcacgac	420
atctcagagg	aggagcagaa	ggagtacgtc	gagaagatcg	tcagccgcat	ctccaacct	480
tatctggagg	acaatgtcga	tcgcgtgggt	cgtgctcccc	tgcgcaagct	gtctcgcaag	540
gagcgtttca	ttggaccggc	ttcacagctg	gccgagcgcg	gcataagta	tgactcnttg	600
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<210> 3779

<211> 582

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(582)

<223> n = A,T,C or G

<400> 3779

ccagcacaca	atgttccttc	gttcgcgttac	tcgcgctgct	gctcgcagct	cggtctgtgcc	60
caccacgggc	ctgcgctcct	accgcaccgt	ttcgggcccc	atqgcttgcc	tgaacgctcg	120
tctcagact	gagaagaagt	ctatcgctcc	ccagcagacc	cgcgcgcct	ccgagcatgc	180
catctcgaat	cccacactcg	ccggtattga	gaagcgctgg	gaggccatgc	ccccctcagga	240
gcaggccgag	ctgtggatgc	agctgaggga	ccgcatgaag	gtcgactggc	accagatgac	300
tctccaggag	aagaaggccg	cctactggat	ctccttcgga	ccccacggcc	ctcgttcctg	360
gccccccaag	ggcgagaacc	tcaagatctt	cttcaaggte	gccagctcac	cctcgtcagc	420
tttggtatatt	tctacgtcat	ccacctgttc	gccaaagccc	cagcccaaga	ccatgaccaa	480
ggagtgccag	gaggccctca	atgagtatgc	taagcaagag	aagatcaacc	ctatctacgg	540
natcagcgcc	ganggttaag	anggcaaggg	cttcgtccan	ac		582

<210> 3780

<211> 643

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(643)

<223> n = A,T,C or G

<400> 3780

tttctccaag	ttgttcgacc	gcctatgggg	ccgcaaggag	atgcgtattc	tgatgggtcgg	60
tctcgatgcc	gccggtaaaa	ccaccatcct	gtacaagctc	aagctgggtg	aaattgtcac	120
caccatcccc	acgattgggt	tcaacgtcga	agaccgtcga	atacaagaac	attcagttca	180
ccgtctggga	cgtcggtggt	caggacaaga	tccgtcctct	ctgggagaca	ctacttccag	240
aacaccaggg	gtatcatttt	cgttgtcgac	agcaatgacc	gtgaccgtat	cgtcagggcc	300
cgtgaggagt	tgcagcgcac	gttgaacgag	gatgaactcc	gtgacgcctt	tctcctgggt	360
gttcgccaac	aagcaagatt	tgccgaacgc	catgagccct	gccgagatca	ctcagcagct	420
tggctctgcag	agcctcacc	gccgtccctg	gtacatccaa	tccaactgcg	ccacgactgg	480
tgacgggtctg	tacganggtc	tggagtggct	ttgctgagac	gctgcggaaa	acgaanccgg	540
actaaaactg	atcatctaat	gagtgggaaga	atacctggaa	gtttgtgaac	ctgggaantt	600
gcngatgctg	gattggggaa	acggggggccg	gcaaagtcac	ctc		643

<210> 3781

<211> 621

<212> DNA

<213> *Aspergillus niger*

<400> 3781

ccactcacct	tcgcgcac	gccatctgcg	atcctcccca	caacactcca	cctagatata	60
tacaccgtta	actgccttc	tacaacatgc	agatcttcgt	taagacccta	accggcaaga	120
ccatcacct	caggttcgag	tccagcgata	ccatcgacaa	cgtcaagacc	aagatccagg	180
ataaggagg	catccctccc	gaccagcagc	gtctgatctt	cgcgggaaag	cagctggagg	240
atggcgcac	gcttagtgac	tacaacatcc	agaaggagtc	tactctccat	cttgtctctc	300
gcctgcgtgg	tggatgcag	attttcgtca	agaccctgac	cggaaagacc	atcacccttg	360
aggtggagtc	ttctgacacc	atcgacaatg	tgaagaccaa	gattcaggac	aaggagggca	420
ttcccccgga	ccagcagcgt	ctgatcttcg	ctggaaagca	gctggaggat	ggccgtaccc	480
tgtctgacta	caacattcaa	aaggaatcca	cccttcacct	cgtccttcgt	ctgcgtgggtg	540
gtatgcagat	cttcgtcaaa	gactttacgg	gaaagacgat	cacattggga	agttgaatct	600
tccgacacaa	ttggataacg	t				621

<210> 3782

<211> 839

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(839)

<223> n = A,T,C or G

<400> 3782

atcatcacct	tcctagccca	cgaaatcctc	tatttcgccc	gctgcacccc	gtggataatc	60
gccgacgctc	ttcctacatt	atttcaccgt	ttcaagattc	aggacaaaaa	ggcaccceca	120
tcggcaaaagg	aacaatggag	ctgtgtgaaa	tatatctctg	ctatccactt	cattgtggaa	180
atgcccata	tgtttctgtt	ccacccgatg	atggaaactc	tcggtctcaa	atacgccttt	240
ccctttcccc	acctcaagac	cctcgccatt	caaatcacaa	tcttctctct	cgttgaagat	300
acataccact	actggtctca	tgtgaccttt	caatggggcc	ctctgtatcg	tgcattccac	360
cgggtgcacc	accaglatgc	cgcgcctgtt	gggttgaagg	cagagtaagc	cagcccgtag	420
gagaccatgc	ttcttggcct	gggcacgatt	ggaccccttt	tggttctggg	ctaatttacc	480
ggcgaagtgc	atttgatgac	tgtgtggccc	tgggtggctt	tgctcagtt	ccaggccatc	540
gacgcgcatt	ctggatacga	ttcccttggt	agcctgagac	ggatcttccc	gctgtgggga	600
gcatcggaat	ggcatgaaga	tcaccatcgg	tacttcgggg	ggactatctc	tagctcgttt	660
aagcaactgg	atatcttaat	gggaacgggt	gcgggtcccc	ggggaagaaa	gatggggcaa	720
gagtgatact	tccaagaacg	cgttttattat	tattctctgt	acagtaatac	attataatat	780
aatataatct	tacgaccoga	caatcgagaa	atcatcatat	cagcgaaaaa	aaaaaanac	839

<210> 3783

<211> 530
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(530)
 <223> n = A,T,C or G

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<400> 3783
cgagcggcga tacttgccat cccagctgtg gntgaattcn tgggcgatca cgttgcggtc      60
ccagtcatag gcggnccagt cggtcaggct cttgggttcc tgctggnttt cgtcggaaacg      120
gtggtgttcc aggcgcgntgc tgcccatgcg atcggtcagc gcgagcagga aatcgtatng      180
atcgaaatgg cgcgcgcgca atgcgcccac ggcttcgtcg gccaggttgc gataggcggc      240
caggttttcc ggcttgaten ccagcagctc gggtttgtcg gccaccanac cgaaatatagac      300
g'gtgggccc aaatctgccc cggggcatala ancccgggcan agatcgggga atcgaccagg      360
gtttcatagt cggtttcggc ccaagtcacg gtattgcccc cggcgtctcg cgtcttgcca      420
tccaanccgc gtnaacaacg tccanccctg ccggaanctg acngtgggac gcaccttgat      480
ctggcgcaca atagtgaacc gggngggana catggtcanc ctctcccaat      530
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<210> 3784
 <211> 586
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

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<400> 3784
cgccgatggg ttctgtctcta ttgtggnaac tcacgcgcga agcaacggnt ccattgtccga      60
gcaatacgac aagtctgatg gcgaacaact ttccgctcgc gaactgacct ggtctatagc      120
tgctctgtcg accgcccaaca accgtcgtaa ctccgctcgt cctgcttctt ggggcgagac      180
ctctgccaac aaagtgcgcc gcacctgtgc ggncacatct gccattgggt acctacagca      240
atgtgactgt caactcgtgg ccgagtatcg tggctactgg cggcaccact acgacggnta      300
ccccacttgg gattcggcag cgtgacctcg aacaacaaga ccaacgcgac tgctaacaag      360
accagcanca gtacgtcatc aanctcctgt accactccca acgncgtggc tgtgactttc      420
gatctgacaa gctaccaaca actacggnga gaacatctan ctggtcngat cgattttctca      480
actgggtgac tggggaaacc agcgacggna taactctgaa ttgctgacaa gtacacttca      540
gcgaccgcct ctggtatgtc actgtgactc tgcengntgg ggaatc      586
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<210> 3785
 <211> 823
 <212> DNA
 <213> *Aspergillus niger*

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<400> 3785
gctctatacc agtggggacaa gcaggggctg ttggagggtca cagatgtgtc gctggacttc      60
tccaaggcac tgtacagcga tctgtctact ggcacctact cttcgtccag ttccgacttac      120
aqtacgattg tagatgcctg gaagaatttc gccgatggct tctgtcttat tgtggaaact      180
cacgcgcgaa gcaacggctc catgtccgag caatacgaca agtctgatgg cgagcagctt      240
tcctctcgcg acctgacctg gtcttatgct gctctgttga ccgcaacaa ccgtcgtaac      300
tcctctcgtc ctgctttctt gggcgagacc tctgcagcga ggtgcccgg cacctgtgcg      360
gacacatctg ccattggtag ctacagcagt gtgactgtca cctcgtgccc gaqtatcgtg      420
gctactggcg gcacacttac gacggctacc cccactggat cgggcagcgt gacctcgacc      480
agcaagacca ccgcgactgc tagcaagacc agcaccacga cccgctcttg tatgtcactg      540
tgactctgcc ggttgggtgag tcgtttgagt acaagtttat ccgatttgag agcgatgact      600
ccgtggagtg ggagagtgat cccaacggag aatacacgct tctcaggcg tgcggaacgt      660
cgaccgcgac ggtgactgac acctggcggt agacaatcaa tccatttgcg tatagttaaa      720
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ggatggggat	gagggcaatt	ggttatatga	tcatgtatgt	agtgggtgtg	cataatagta	780
gtgaaatgga	agccaagtca	tgtgattgta	aaaaaaaaaa	aaa		823

<210> 3786
 <211> 614
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 3786						
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tttgcgtttc	ttcccttcc	ttctcgccac	gttcggggg	tttcccggtc	aagctctaaa	120
tcggggggtc	ccttttaggt	tcggatttag	tgcttttaagg	cacctcgacc	ccaaaaaact	180
tgattaggg	gatggttcac	gtagtggg	atcgccctga	tagacgggtt	ttcgcccttt	240
gacgttggag	tccacgttct	ttaatagtgg	actcttggtc	caaactggaa	caacactcaa	300
ccctatctcg	gtctattctt	ttgatttata	agggattttg	ccgatttcgg	cctattgggt	360
aaaaaatgag	ctgattttaac	aaaaatttta	acaaaattca	gaagaactcg	tcaagaaggc	420
gatagaaggc	gatgcgctgc	gaatcgggag	cggcgatacc	gtaaagcacg	aggaagcggc	480
agcccattcg	ccggcaagct	cttcagcaat	atcacgggta	gccaaogcta	tgtctgatag	540
ccggtcgggc	acacccagcc	gggcacaagt	cgatgaatnc	agaaaaagcg	ggcattttcc	600
accatgatat	tcgg					614

<210> 3787
 <211> 895
 <212> DNA
 <213> *Aspergillus niger*

<400> 3787						
cgcgaactct	acggaccgtc	acaatggcct	ccactgctac	cactgtcccc	accaaggagc	60
aggttctcgt	ccccgagacc	ctcctgaaga	agcgcaagag	ccaggagcag	gctcgcgctg	120
tcgcccgtga	ggaggccgag	aagaagaagg	ccgccaacaa	ggagaagcgc	gccgttatct	180
tcaagcgtgc	cgagtcctac	gtcaaggagt	accgcgatgc	tgagcgcgag	aagatccgcc	240
ttgcccgcgt	tgctcgcaag	gagggtaact	tctacgttgc	tgacgagccc	aagcttgtct	300
tcgttatccg	tatcaagggt	atcaacaaga	tccctcccca	gccccgcaag	atcctccagc	360
tgctccgtct	gctccagatc	aacaacggta	ccttcgtccg	tcttaccag	gctaccaggg	420
agatgttgac	catcatcaac	ccctacattg	cctacggtta	ccccaacctc	aagtccgtcc	480
gtgagctcgt	ctacaagcgc	ggttacggaa	aggtcgacaa	gcagcgtgtt	cccctcagcg	540
acaaccagat	cattgaggag	aacctcgga	agtaacggcat	tgtctgcatg	gaggatctta	600
tccacgagat	ctacaccggt	ggccccaaact	tcaagcaggc	caacaacttc	ctgtggccct	660
tcaagctctc	caacccccact	ggtggcttcc	acacccgcaa	gttcaagcac	ttcatcgagg	720
gtggtgacta	cggtaacggt	gaggagaaca	tcaacggcct	catccgcaa	gatgaactag	780
attcatcctc	ggtgatggct	tgcccgtaac	gggttggttat	gagctccgaa	tttccctagtt	840
arcgggtact	ggtctaaaaat	ctgggtacaa	aaatttaaaaa	gcttcgtaca	acctg	895

<210> 3788
 <211> 640
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(640)
 <223> n = A,T,C or G

<400> 3788						
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gcccgtcgtc	cgcgcgagatg	ttaccgctac	tgcaagaaca	agccctaccc	taagtcccgg	120
ttcaaccgtg	gtgttcccga	ccccaaagatc	cgtatcttcg	atctgggacg	taagaaggcc	180
aacgtcgtatg	acttccctct	ttgcgttcac	ctcgtctcca	acgagtacga	gcagctgtcc	240
tccgaggccc	tgaagccgc	ccgtatctgt	gccaacaagt	acctcgtgaa	gatcgccggg	300
aaggaagggt	tccacctccg	tgtccgtgtg	cacccttcc	acgtcattcg	tatcaacaag	360
atgttgctct	gcgcgggtgc	cgatcgtctc	cagaccggta	tgcgtgggtgc	cttcggtaag	420
ccccaaagga	ccgttgcccg	tgtgaacatt	ggccagatca	ttctgtccgt	ccgcaccctg	480
gacaccaacc	gtgctgctgc	catcgaagct	ctccgccgct	ccatgtacaa	agttccccgg	540
tcgccaaaag	atatcgtctc	caagaactgg	ggtttcactc	ccgtccgccg	cgaaggacta	600
mgctmagctc	cgccaaggag	ggcaagctca	ancaaggatg			640

<210> 3789

<211> 598

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(598)

<223> n = A,T,C or G

<400> 3789

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gcgaccttgg	attcatgggt	gagcaacgaa	gcgaccgtgg	ctcgtactgc	catcctgaat	180
aacatcgggg	cggacgggtgc	ttgggtgtcg	ggcgccggact	ctggcattgt	cgttgctagt	240
cccagcacgg	ataaccgcga	ctacttctac	acctggactc	gcgactctgg	tctcgtctct	300
aagaccctcg	togatctctt	ccgaaatgga	gataccagtc	tcctctccac	cattgagaac	360
tacatctncc	ccaggcaatt	gtccaggggtg	tcagtaacct	ctctggtgat	ctgtccagcg	420
gcgctnctct	cggtgaacca	aagttcaatg	tcgttaaact	ggctacactg	gtcttgggga	480
cggccgaacg	agatgggtccg	gttttgaaan	aactgggttg	atcggtttcg	gcaatggctt	540
gttgaaatgg	ttcaccagca	ccgaacggaa	attgttgggc	cttggttagga	ccactggc	598

<210> 3790

<211> 581

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(581)

<223> n = A,T,C or G

<400> 3790

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catctccaag	ggagatgagg	tcctgtttga	ctcttcggca	tcaccactag	tttttcagtc	120
gcaatatgtg	aaccttcgca	cctgggttgcc	cgatgatccc	tatgtgtatg	gtctcggaga	180
gcattctgac	cctatgcgct	tgccaacata	caattacacg	cggacccttt	ggaaccgcga	240
cgcgtatggc	actccaaaca	acaccaactt	gtacggtagt	catcctgtct	actatgatca	300
ctgtggaaag	tcgggaactt	atggagctct	cttgcctgaa	tcctaatgga	tggaatcaca	360
gatcaaccaa	acgacagatg	gaaagcagta	cttggaatac	aatcttctcg	gcgggtgtct	420
ggactttctac	ttctttctacg	gagaagatcc	taagcaagcg	agcatggaat	actcaaagat	480
tgtcgggtctt	ccggcaatgc	agagttactg	gactttcggc	ttncatcaat	gcccgtatgg	540
ataccgcgat	gtgtatgaac	ttgccgaggt	gggctacaac	t		581

<210> 3791

<211> 592

<212> DNA

<213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(592)
 <223> n = A,T,C or G

<400> 3791
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 atcacagatt gggacaactt gaccatggtc caagattggt gggaggggtga caccatcgta 120
 tctctgccag acctaaacac caccgaaact gccgtgagaa caatctggta tgactgggta 180
 gccgacctgg tatccaatta ttcagtcgac ggactccgca tcgacagtgt cctcgaagtc 240
 gaaccagact tcttcccggt ctaccaggaa gcagcaggtg tctactgctt cggcgaagtc 300
 gacaacggca accctgcctc gactgcccac accagaaggt cctggacggc gtcctcaact 360
 atccgatcta ctggcaactc ctctacgctt cgaatcttca gcggnagcat cagcaccttt 420
 acacatgaca aatccgcgga aggcgatggt tccatccgca ctattggaac ttatcgaaac 480
 acgacatccc gttngctcta acntcgatct tgaagccaaa acgtcttaag tcntttcttt 540
 cyadggatcc catggttacc cggggaanda cagacttate ggggggaagg gc 592

<210> 3792
 <211> 624
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 3792
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 cttaaagcaa catgtctctt cccgctgcta tcttcgagcc caccgtggtc cccactggca 120
 tcaagtccaa cgtgggtggc cgggagggcg ctcccgtcac tggtctgctc cagaccacgc 180
 tgcttgacca cttcgctggc aagtgggaca acttcaagtt cgtctccatc cgtgagagtc 240
 aggttttcgcy tgctatgacc agacgctact tccaggatct ggacaagtac gctgagagtg 300
 acattgtcat tgtgggtgct ggttcctgcy gtttgagcac cgcgtatgtt ctggccaagg 360
 ctgcgccgga cctgaagatt gccattatcg angccaatgt tccccctggt ggtgggtgct 420
 ggcttggtgg caactcttct cgcctatggt catgcgtcgt cccgcgagang tcttcttgaa 480
 cgaactgggc gtccctacg aagaagacta gcgaacccca actacgttgt ggtcaaagca 540
 acgcctcgtt gttcaactcg aacctgttgt ccaagggtct ctcttccca acgtcaagct 600
 cttcaacgcc aacaacgtgg aggg 624

<210> 3793
 <211> 622
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = A,T,C or G

<400> 3793
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 gggacagccc cgtgggttga acgcgcgcgc caagctcgcy accacccgtc gcgagaaccg 120
 ctgggcccag ctgcactaca agaagcgctt cctcggtact gcctacaagt cctctccctt 180
 cggaggtgcy tccacagcca agggatctgt tcttgagang gtcggtgttg aggccaaqca 240
 gcccaactcc gctatctgca agtggtgcaaa ggtccagctc atcaagaacg gcaagaaggt 300
 taccgcttct gtcctcaacg atggttgctt gaacttcacg gatgagaacg acgaggtcct 360
 cctcgccggt ttgggtcgta agggcaaggc caagggtgat attccgggtg tccgtttcaa 420
 ggctcgtaag gtttcgggtg tgggtctgct cgtctctctg aaggagaaga aggagaagcc 480
 ccgtctttaa ataaccctaaa cctcggggaa tttaataaag atgctattaa cqqqgtggaa 540

ngggggccan	tccatggaag	aaacttcngg	gcaaangcaa	agcaaacaca	agtctaattgg	500
tctgggaatt	gatgggtcaa	ga				522

<210> 3794

<211> 891

<212> DNA

<213> *Aspergillus niger*

<400> 3794

caacgacacc	gtccgccacc	tacacgtatc	cctccctcgg	caacagggtgc	atacgtcgcac	50
caaaatgtct	gaacacggcg	aagtcgaggt	cgaaaacccc	gctgcggcct	tccagggtcct	120
gcccaggag	gctatcgcg	agatgggac	cgtgaagctg	ttcaacaagt	ggagctacga	180
ggatgttgag	atcaggggac	tctccttgac	cgactacgtc	cagatccgct	ccctgtctca	240
ccttcctcac	tccgctggcc	gttatgccgc	caagcgtttc	cgcaaggctc	agtgcctcat	300
catcgagcgc	ctgaccaaact	ccctcatgat	gaacggccgc	aacaacggaa	agaagctcat	360
ggctgtccgc	atcggttgc	acgccttcga	gatatccaca	tcattgacga	ccagaacctt	420
ctccagggtc	ccgttgacgc	cattgtcaac	tgcggtccct	gggaagatag	caacccgtatc	480
ggttccgctg	gtaccgtccg	tcgtcaggcc	gtcgatgtgt	ctcctctccg	ccgtgtcaac	540
caggctattg	ccctcctgac	catcggtgct	cgcgaggcct	ctttccgtaa	catcaagagc	600
attgctgagt	gcctggctga	agagctcatc	aacgcgcgca	agggttcctc	caactcctat	660
gccatcaaga	agaaggacga	gctcgagcgt	gttgccaaagt	ccaaccggta	aagtgggaat	720
tttgggcgta	ttctccggtt	ggctcctggt	ttgcgtgtac	tggagtggac	gggggggtta	780
ttaggattca	gtcgatttgc	atgcactctg	gcgactgtac	atacctgaaa	acagtcacgg	840
gagggagcga	gatcctaaaa	atgagagaa	cggacggcct	tcttctacag	t	891

<210> 3795

<211> 661

<212> DNA

<213> *Aspergillus niger*

<400> 3795

cgaagggtta	ggaagacaag	tcttgtcgag	accttcatca	agatgcagat	cttcgtcaag	50
acccttacgg	gtaagactat	caccttcgag	gtggagtcct	cggacaccat	tgacaatgtc	120
aagtccaaga	tccaggacaa	ggagggtatc	cccccggaac	agcagcgtct	gatcttcgct	180
ggtaagcagc	tcgaggacgg	ccgtactctt	tcggactaca	acatccagaa	ggagtccacc	240
ctccacctgg	tgctccgctt	gcgtgggtgt	ggtaagaagc	gcaagaagaa	ggtctacacc	300
accccccaaga	agatcaagca	caagcacaa	aagaccaagc	ttgccgtcct	caagtactac	360
aaggctcgac	gtgatggcaa	gattgagcgt	cttcgcgcgc	agtgcctctc	ccccgagtgc	420
ggtgctggta	tcttcatggc	cgtatgcac	aaccgcagct	actgcggaaa	gtgccacctc	480
acctacgtct	tcgacgagtc	caaataagtg	gaatttgccg	atcggtccgc	catgtcttct	540
ttccggtagc	gcctarcaa	gtcggtcgtg	aatgtgtggt	ggatgaggtt	gggagctgtg	600
cgttttgatc	gtcccatagt	gaccaarcaa	tgagaaacga	aaaaaatccg	aaaccgtctt	660
c						661

<210> 3796

<211> 605

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(605)

<223> n = A,T,C or G

<400> 3796

gcgccacctg	ctttggctgc	aaagcctggg	gaatggcgat	cgaatccat	ttatttctct	50
ctcacggatc	gatttgcaag	gacggatggg	tcgacgactg	cgacttgtaa	tactgcggat	120
cagaaatact	gtgggtggaac	atggcagggc	atcatcgaca	agttggacta	tatccaggga	180
atgggcttca	cagccatctg	gatacccccc	gttatagccc	agctgcccc	gaccacgcga	240
tatggagatg	cctaccatgg	ctactggcag	caggatatat	actctctgaa	cqaaaactac	300

ggcactgcag	atgacttgaa	gcgctctctt	cggccttcat	gagaggggga	tgtatcttat	360
ggtcgatgtg	gttgctacca	tatggctatg	atggagcggg	tagctagtcg	attacagtgg	420
gttaaccgtc	agttccaaga	tacttcaccc	gtctgtttca	tcaaactnta	agatcagact	480
aagttgagga	tgctgctagg	anatacatgc	ttcttgccctg	actcgatccn	ccagggttngg	540
caaaataatg	nncaatggtg	gacatgggat	gactatcatt	gcggctccgn	ttgacnagaa	600
accct						605

<210> 3797
 <211> 605
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(605)
 <223> n = A,T,C or G

ttcatgctca	aggacatgat	ggcgaagacc	gcccagcttg	aacagttcga	cgaggagctc	60
tacaaagtca	cggaaagtga	agacaagtcc	accgacaagt	atctaattgc	tacttcagag	120
caaccacttt	cagccttgca	tgacggagag	tggttgcaag	ataaagatct	cccaatcaag	180
tacgctggat	atagcacttg	ctaccggaaa	gaggcaggtg	ctcatggtaa	ggatgcatgg	240
ggcatctttc	gtgtccatca	gttcgagaag	atcgaacaat	ttgtcctcac	gaaaccggaa	300
gactcgtggc	aagcttttga	cgaaatgatg	gccacttcgg	aagaattcta	ccggtctctt	360
ggcctaccgt	accaggttgt	cgctattgtt	tcgggagcat	tgaacaatgc	cgcatcgaag	420
aagtatgacc	tcgangcgtg	gttccatttc	aaggagagta	taagggaataa	tatcctgctt	480
caactgtccc	gatatcaatc	cagagcccta	gaaatcgcta	tgcacgaaaa	aggttctgat	540
gtgaanaatc	taogttatgc	cctgatgcga	ctttgnngga	ancgacgtca	tttgtgggnc	600
ttgaa						605

<210> 3798
 <211> 750
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(750)
 <223> n = A,T,C or G

caacgcttct	tgcaccacca	actgccttgc	tcccctcgcc	aaggctcatca	acgacaagtt	60
cggcacgtgt	gaggggtctca	tgaccacogt	ccactccctac	accgctaccc	agaaggctcgt	120
cgatgcccc	tccagcaagg	actggcgtgg	tgcccgctact	ggggcccaga	acatcatccc	180
ctcttccacc	ggtgctgcca	aggctgtcgg	caaggctcatc	cctaccctta	acggcaagct	240
caccggatg	gccatgcgtg	tccccacctc	caacgtctcc	gttgtcgact	tgacctgccg	300
cctcgagaag	gcccaccagct	acgacgagat	naagaaggcc	ctcaaggacg	cttcggagaa	360
cgagctcaag	ggcatccctcg	gtacactga	ggacgacatc	gtctcctccg	acctgaacgg	420
tgacgaccac	tccctccatct	tcgatgccaa	ggccgggtatc	gccccttaact	ccaaattccgt	480
caagctcgtc	tccctggtaag	acaacgagtg	gggttaactcc	cgccctgtgng	tggacctcat	540
tgccctacatc	tccaagggttg	atgcccarta	ggaatcagga	cggcaaaactg	aatttcagaag	600
tgtgctgtga	gtgagactga	ttgccgagcg	cagacgactc	tgttggaacc	cggtctgtgg	660
agaagcttga	gaaggctctta	actcctagcg	taaaagctca	tgatgacgta	caattttaatg	720
aaatgataca	atgttccatat	ttccaaaaaa				750

<210> 3799
 <211> 612
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 3799
 gcaggggtcg ttggagggtca cagatgtgtc gctggacttc ttcaaggcac tgtacagcga 60
 tgctgctact ggcacctact cttegtccag ttcgacttat agtagcattg tagatgccgt 120
 gaagactttc gccgatggct tegtctctat tgtggaaact cacgccgcaa gcaacggctc 180
 catgtccgag caatacgaca agtctgatgg cgagcagctt tccgctcgcg acctgacctg 240
 gtcttatgct gctctgctga ccgccaaaca ccgtcgtaac tccgtcgtgc ctgcttcttg 300
 gggcgagacc tctgccagca gcgtgcccgg aactgtgcgg ccacatctgc catttggtacc 360
 tacagcagtg tgactgtcac ctctgtggcg agtatcgtgg tactggcgga aactacgac 420
 ggtacccccc tggattcgga gcgtgactcg acancaaagac accgcgactg ctacaagaca 480
 gcacagtacg tcacaactct gtacatccca cgcctgtgtg tgctttcatt gacagtacac 540
 aactacggca aaaatcactg tcgnttatct caactgggtac tggaaacaac gaggatacnc 600
 tatgctgnaa ta 612

<210> 3800
 <211> 839
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(839)
 <223> n = A,T,C or G

<400> 3800
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 gtagccgacc tggatatcaa ttattcagtc gacggactcc gcatcgacag tgtcctcgaa 120
 gtccaaccag acttcttccc gggctaccag gaagcagcag gtgtctactt cgtccagttc 180
 gacttatagt agcattgtag atgccgtgaa gactttcgcc gatggcttcg tctctattgt 240
 ggaaactcac gccgcaagca acggctccat gtccgagcaa tacgacaagt ctgatggcga 300
 gcagctttcc gctcgcgacc tgacctgggtc ttatgctgct ctgctgaccg ccaacaaccg 360
 tcgtaactcc gtcgtgcctg cttcttgggg cgagacctct gccagcagcg tgcccggcac 420
 ctgtgcggcc acatctgcca ttggtacctc cagcagtgtg actgtcacct cgtggccgag 480
 tatcgtggct actggcgcca ccactacgac ggctaccccc actggatccg gcagcgtgac 540
 ctygacmagg aagaccaccg cgaactgctag caagaccagc accagtacgt catcaacctc 600
 tgtaccactc caccggcggt gctgtgactt tcgatctgac agctacaaca actacggnga 660
 gacatntact ggnncgatcg actttactgg gtgatgggaa ccagcgacgg atactttgat 720
 gttgcaagta cattcaggac ccgtttggat gcattgnactt gccgtgngat cgttgatcag 780
 ttatcgatga agcatnctcg gatggaaggt ccaccqaatc ccgtctagn gcgacgtan 839

<210> 3801
 <211> 618
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(618)
 <223> n = A,T,C or G

<400> 3801
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 tgetgatacg gctttgagct ccaccacctt caccactgat ttcaccactg gctctttcag 120
 tgggtggatt gctaccgcca acaatgtcac ctttaccgat gagggtgcca acttcgctat 180
 cagcgagaag ggtgaagctc ccaccattga gaccgatttc tacttctttt tcggcaaggc 240
 cgaggttgct atgaaggcgg ccagtgggtac cggatatctgc agcagtgttg tcttggagtc 300

ggatgatctc	gacgagattg	actgggaagc	tcttggtggt	gacaccactc	agattgagac	360
caactacttc	ggcaaggggtg	acacatcctc	ctacgaccgt	gctacctggg	caaccgtgtc	420
gacccccag	gagaccttca	cacttacacc	gttgagtgga	ctgaatccgc	cactacctgg	480
agcatcgacg	gcactgttgt	gcgcaccctt	gcctacagcg	atgcccana	cggtacttcg	540
ctaccccaga	cttccatgcg	cttgaacttg	gtatctgggc	tgctggtgac	ttctntgagc	600
ccganggtac	catcgaan					618

<210> 3802

<211> 612

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)..(612)

<223> n = A,T,C or G

<400> 3802

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aagcgtgctg	ctcccataaa	gcagtggctc	gagatggaaa	tcggtatcac	cggtggtgag	120
gaggatgggt	tcaacaacga	ggatgttgac	aacaactccc	tgtacactca	gcccagaggac	180
atcctggcca	tccacaacgc	cctcgccccc	atcagccccc	acttctccat	tgccgctgggt	240
ttcggtaatg	ttcaccggtg	ctacaagccc	ggcaacgtcc	gtctccaccc	cgagctcctc	300
cagaagcacc	aggcctacgt	caaggagaag	accggctcct	cctctgacaa	gcctgtcttc	360
tttgtcttcc	acggtggctc	tggtctcttc	aaggaggagt	acaaggaggc	tatcagctac	420
ggtgttgtca	aggtaaacct	tgacaccgac	atgcagttcg	cctacatgtc	cggtatccgt	480
gactacatgc	tcaacaagaa	ggactacctt	ctgaccgctg	tcggtaaccc	cgacggtgag	540
gacaaagccc	aacaagaagt	tcttcgaccc	ccgcgtcttg	ggttcgtgan	ggtgagaaga	600
ccatgaccaa	ct					612

<210> 3803

<211> 324

<212> DNA

<213> *Aspergillus niger*

<400> 3803

gttgaacaag	taggcataca	ctgggcttat	agctttgtta	aacgccacga	atccctacga	60
actcgatttg	ctagacgact	caactatcaa	agagctaaaa	tggaggatcc	tgaagttata	120
aaagactggt	tcaaacgcgt	acaggaagtt	attcaagagt	acgggatctc	atcagatgat	180
atatacaatt	tcgatgaaac	agggtttgct	atgggaatga	ttgctacata	taaagtagta	240
actagttccc	agagggcagg	tcggccgtcc	ctagttcaac	cagggaatcg	ggaatgggtc	300
actgcaattg	agtgtattcg	ctct				324

<210> 3804

<211> 651

<212> DNA

<213> *Aspergillus niger*

<400> 3804

atcgctccctt	cgttttttga	gtcccgttcc	taaaagcgac	ttgagaggaa	taccgcacaaa	60
atggctgacg	agcactacaa	cgccgaggag	gctgcgaga	tcaagaagag	aagacagttc	120
cgcaagttca	cctaccgcgg	tattgaacctc	gaccagctcc	ttgacctctc	ctccgaacag	180
ctccgtgatg	tgtttcaacg	cgcgctcgtt	cgctcgttca	accgcggtct	gaagcgcaag	240
cccctgggtc	tcatcaagaa	gtcccgcaag	gccaaagcagg	aggctcgccc	caacgagaag	300
cccgacctcg	tcaagaccca	ccctccgtgac	atgactcgtt	tccccgagat	gacccgcagc	360
gtcatcggtg	tctactccgg	taaggagttc	aaccagatcg	aagtcaagcc	cgagatgggt	420
ggccactacc	tgggtgaatt	ctctatcttc	tacaagcccc	tcaagcacgg	tcgtcccggt	480
atcggtgcca	cccactcttc	ccgttttcatt	ccctcaagtw	aagaagaaaa	gcttttagtg	540
atggagtgtc	gtcgtgtgga	ggaggaactc	cgggcgtaag	gaatgttgct	ggggaagatc	600
tctagggata	aagggaaaaa	aaatcaaaaa	ctgqgttggg	taccatattg	g	651

<210> 3805
 <211> 632
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

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<400> 3805
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gtcgtggatc cattttcacg gcaaacaccc gtctcaacaa ggctcctgcc cagttccgca      120
cctcgcacta cgcgcgagcg catggatata ctcggtggtg cgtgaaggag atcatccacg      180
accccgggcg tgggtgctcc ctgcgcaagg tccagttccg tcacccctac aagttcaaga      240
ccatcaccca gaccttccat gccaacgagg gcattgtacac cgggtcaatto gtctacgcgc      300
gaaagaacgc cgctgactg tcggaaacgt ccttccccct gccctcgtcc ctgaggggtac      360
cgttgtgacc aacgtcgagg agaaggctgg tgaccgtggt gctcttggtc gtacctccgg      420
taactacgtt accgtcatcg gcacaacccc gaggagggca agaccctgtg caagcttccct      480
ccggtgccaa gaaggctcgt aagaacaccg cccgtggtat gatcggtatc gtcgctggtg      540
gtggctcgta cgacaagcct ttgctgaang ctctctngnc caagcacaag ttcgntgtca      600
aagcgcaact nttgggccaa gaccgctggt gg                                632
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<210> 3806
 <211> 588
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(588)
 <223> n = A,T,C or G

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<400> 3806
aattaaacca catcacacac cctccctcca aaatggccac caacatcacc taccacgcca      60
gcgcctctac cgcaccgag cgcagcgacc tgcgctccca gcgcggtctc acaatctggc      120
tgacgggtct ctccgcctcg ggcaagtcca cattggccgt tgaactcgag caccaactcc      180
tccgcgaccg cggcgtgcac gccctaccgtc tggacggtga caacatccgc ttcggactca      240
acaaggacct tggcttcagc gaagccgacc gcaacgagaa catccgccgc attgccgaag      300
tggccaagct gttegtgat tctcccgcca tcgccattac ttccttcac tccccctacc      360
gcaaggaccg cgacaccgct agacagctgc acgaggtgcc cagccccgga gaggagactg      420
gtctgccgtt cgtcgaggtg tatgttgatg tgcccgggtg aggtggcgga gcagcgtgat      480
cccaagggat tgtacaagaa ggctagggaa ggggtgtgatt aaaggagttc acgggtatta      540
gtgcccccgat atgaagcgcc gttgaagccc gangtttaac atcaagna                    588
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<210> 3807
 <211> 691
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(691)
 <223> n = A,T,C or G

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<400> 3807
attctgggaa acaaccaaag ggctttcttt tgatatccca agttacgccc cccgttgggg      60
ctccaagcgc ccccaaagac ggggcccgtg cgtcttcaac ctcttcgaga aggacgtccc      120
caagactgct aagaacttcc gtgagctctg caagcttccc cagggtcagg gttacaaggg      180
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ctctaccttc	caccgtgtca	tccccagtt	catgctccag	ggtggtgact	tcacccgcca	240
caacgggtacc	ggtgggtcgct	ccatctacgg	tgagaagttc	gccgatgaga	acttcattcta	300
caagcacaac	aagccccggtc	tctcttccat	ggccaacgct	ggtcccaaca	ccaacggctc	360
ccagttcttc	atcaccaccg	ttgtcacctc	ttggctcgat	ggcaagcacg	tcgtcttcgg	420
tgaggttgcc	gatgccgagt	ccatgcaggt	cgtgaaggag	atcgaggctc	tcggctctcc	480
tccggctccg	tccgtctctg	cgtcaarscc	acatcgtcga	ctgcggtgag	ttgtaagcgg	540
ttttcaagga	taacagatgg	caaaattggg	atatcgctcc	acgggctggt	gaaaaccaac	600
atcgtgagga	ttaatggtgg	acaattctct	ttatccctct	aaccgggtgt	aatcaaaatg	660
tccatancaa	ttgtcaataa	gtttccaaca	a			691

<210> 3808

<211> 689

<212> DNA

<213> *Aspergillus niger*

<400> 3808

caccatata	cgtttatgc	catcgtaact	tgtaaactac	aactccctaa	taaattaaac	60
accttcgaaa	ggaaaaaaa	aaaacctcac	ataccatcca	acaaaatgac	tggaggcaaa	120
tctggaggca	aggccagcgg	cagcaagaac	gcccaatccc	gttcgtccaa	ggccggtctc	180
gcctttcccg	ttggacgtgt	tcacgtctct	ctccgcaagg	gcaactacgc	tcagcgtggt	240
ggtgccgggtg	ctcccgttta	cctcgctgcc	gttcttgagt	atctcgccgc	cgaaattctt	300
gaattggctg	gcaacgctgc	tcgcgataac	aagaagaccc	gtatcattcc	ccgtcacctt	360
cagctcgcca	tccgcaacga	tgaggaaactg	aacaagctcc	tgggtcatgt	caccattgcc	420
cagggtgggtg	tcttcccaaa	catccaccag	aaccttctgc	ccaagaagac	ccccaaaggt	480
ggaaagggtc	cgggaagcca	rgagctgtaa	acaatttctt	tctaatttgg	gttctctgat	540
tcggcgcggt	ttggttctct	tattgatgtg	ataacgggggt	tctggtcgga	acgtttawgg	600
ctctgcgatt	tcttttttct	tagtttccac	agtttatggt	tgtacattat	gtctacggac	660
atggaatgat	accgacagca	ttttcactg				699

<210> 3809

<211> 603

<212> DNA

<213> *Aspergillus niger*

<400> 3809

cggcagcact	cgcgatatcg	aacttcgctt	ctcaaaccctc	cgaaagacac	aatgtccccc	60
aaattgaagc	cgcaacttct	ccggaactac	ttctcaaccc	ccttacaatc	tcccgggaatg	120
agaacgagag	ggtccttata	gagcccagcg	tgaacagtggt	ccgtgtcagc	atccgaatca	180
agcaggcaga	tgagatcgaa	catatcttgg	tccacaagtt	cactagggttc	ctgacgcagc	240
gcgcgggaatc	cttcttccat	ctacggagaa	agccagtgaa	gggatatgac	atttcatttc	300
tcattacgaa	cttccatact	gaacagatgc	tgaaacacaa	attggtggac	ttcatcttc	360
aatattatgga	ggaagtggat	aaggaaatct	cggaaatgaa	gctcttcttg	aatgctcgtg	420
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tggcacatga	ccttgatttc	cccttctct	caggaacaat	tcttgtcaga	agtttgatgc	540
ttggctcctt	ctgcagtcgt	ccatattata	tctcgaaatc	aaattttag	ccgaaaaaaa	600
aaa						603

<210> 3810

<211> 544

<212> DNA

<213> *Aspergillus niger*

<400> 3810

cagcgtctca	tcttgcgtgg	taagcagttg	gaggatggcc	gtaccttgct	cgactacaac	60
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gtgaagactc	ttaccggcaa	gacgallacg	ctggaggtgg	agagctcgga	taccattgat	180
aacgtcaaga	ctaagattca	agataaggag	ggcattcccc	cggaccagca	gcgtctcctc	240
ttcgctggta	agcagttgga	agatggacgt	acgctctccg	attacaacat	ccagaaggag	300
agcactctgc	acctgggtgt	ccgtctccgt	ggcggaaaact	aatgccttat	tttgatcttt	360
cttcttttagc	acgggtctac	taagggttag	tggcctgcat	ggcgttggga	cggttgtttt	420

catcggtttt	tatgatacgg	ataaattggg	cataccttag	ggtcaccatc	ttccatgggtg	480
ccttgcgta	ttcttttacc	taggaatcaa	ttcaataatc	atattccacc	tgataaaaaa	540
aaaa						544

<210> 3811
 <211> 642
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(642)
 <223> n = A,T,C or G

<400> 3811						
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gccccctccc	cttaccoccc	gggtaagget	ggcgctaaga	aggtccccaa	gaacctcttc	120
atcgagaagc	gcccccgcaa	cttcggcatt	ggccaggaca	tcacgcccaa	gcgcaacctc	180
ggtcgcttcg	tcaagtggcc	cgagtatgtc	cgtctgcagc	gccagaagaa	gatcttgaac	240
ctccgtctca	aggteccctc	ttccattgct	cagttccaga	acaccttgga	ccgcaacacc	300
gctgcccgag	ccttcaagtt	cctcaacaag	taccgccccg	agaccaaggt	cgagaagaag	360
gagcgtctcc	acgcgcgagg	caccgcccgt	gctgagggca	agaagaagga	ggatgtctcc	420
aagaagccct	acaacgtcaa	gtacgggtct	aaccacgttg	tcggctcgtc	gagaacaaga	480
aggtcttcct	cgtcctgatt	gtcacgacg	ttgaccccat	tgagctgggt	gtcttccttc	540
cgctctttgc	cgcaagatgg	gtgtccctta	cgttaattgt	taagggcaag	gctcgtctcg	600
gtaccgttgt	ccacaagaag	acctccgctg	tcctcgctct	na		642

<210> 3812
 <211> 713
 <212> DNA
 <213> *Aspergillus niger*

<400> 3812						
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gagggcaaga	acgttatcat	caagtggcgt	ggtaagcccc	tcttcacccg	tcaccgcacc	180
caggacgaga	tcaggaggc	ccagaagacc	gagtggcagt	ccctccgtga	ccccaggccc	240
gacgaggacc	gtgtccagaa	gcccagatgg	cttgtcatgc	ttggtgtctg	cactcacctt	300
ggttgtgtcc	ccatcggtga	atccggcgac	tatggcggct	ggttctgccc	ctgccacggt	360
tcgcactacg	acatctccgg	ccgtataaga	aagggacccc	ctccctcaa	cctcgagggt	420
ccccaatata	acttcccttc	cgaggacacc	ctcgtcatcg	gttaaaccgat	ttagaattga	480
ttcgatctga	gacccgggga	atcgggcgat	ggcgtgaaga	rcagaagtag	aagtcggaga	540
aggggaaggg	agagagaaag	agagagagag	aagggtttgta	tttgtgcatt	agacgaaagc	600
cttctctctc	cgttttctac	tctatgtgtg	tctttttgtc	aagattaaag	agaccttggtg	660
tttttaatat	ggaccttgga	aaaatgagcc	tcttgtttcta	ttaaaaaaaa	aaa	713

<210> 3813
 <211> 624
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 3813						
gttgccctca	gagagttcta	caaggccgac	gtcaagaagt	acgaccttga	cttcaagaac	60
cccgagagcg	actcctccaa	gtggctcacc	tacgagcagc	tgcccgacct	ctacaagtc	120
cttgccagca	agtaccccat	tgtcagcatt	gaggaacctt	tccttgagga	cgactgggag	180

gcctggagct	acttctacaa	gacctctgac	ttccagattg	ttggtgatga	cttgactgtc	240
accaaccccc	tgogtatcaa	gaaggccatc	gagctcaagt	cctgcaacgc	tctcctgctc	300
aagggtcaacc	agatcggtac	cttgaccgag	tccatccagg	ctgcaaggac	tccacgctg	360
acaactgggg	tgatcatggtg	ccccaccgtt	ccgtgagacc	gangatgtnc	cattgncgac	420
attgctgncg	tcttcgntct	ggcagatcaa	gaccggtgct	ctgnccgttc	cgagcgtntg	480
gttaactttac	cagatcctcc	tattgaggag	gacttggtga	cacgcctttt	acnccggnaa	540
aagttccnac	cgccgttact	tggaaatgca	ncatttcccg	ttaagggacc	atgaaggcct	600
aanggnctta	ttgcnttcaa	gaat				624

<210> 3814

<211> 857

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(857)

<223> n = A,T,C or G

<400> 3814

agtggaaggg	acctcccgca	tcttctacaa	ggctgtccgc	ggcatgatcc	cccacaagac	60
cgcccgtggg	gcccgcgcta	tggagcgcct	gaagggtttc	gaggggtgtc	ctcccccccta	120
cgacaagaag	aagcgcgttg	tcgttcccca	ggctctgcgt	gttctccgcc	tgcgccccgg	180
ccgcaagtaa	tgcaccgttg	gtcgtctcag	ccacgaggtt	ggctggaagt	accaggacgt	240
tgttgccaga	cttgaggagc	gcagaaaagg	taagagcagt	gcatactacg	agcgcaagaa	300
ggccgctcgc	cgccaaactcg	tccacgcccc	gaagtcggcg	ggtgttaacg	agcagaccaa	360
gagccagctc	gctcagtaag	gatactagat	acctagttgc	gcggctgggt	gcttgtgttt	420
gtgatgggat	gggatgggat	cgcgaaacgg	ttctctgcga	agaaaatgga	cagcaagccg	480
atcgaccttt	ctctcaactgt	cctamcttt	tcatgaaata	ccacaattct	tacgtttgtga	540
cgcacatgga	ggctggagag	atcgattctt	tctaaaaaaa	aaatacagga	gtcacttggg	600
atgaaagggt	gtcaaaaatag	ctgacccggt	atttcgcgcc	gtggcggtta	atccaagaat	660
ttcttttcaa	gagttcaaat	gactttgctg	tgacgaatcc	gatgcaccat	taccaccggt	720
ttactctact	actggccctt	gcaatttttg	gnatttttag	gccccggaca	cgganagaga	780
gacagagtcc	tgctatcttn	gacttgattg	caatttgcac	tnccaggatt	nccgacaggg	840
tcttgttgct	actaaaa					857

<210> 3815

<211> 684

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(684)

<223> n = A,T,C or G

<400> 3815

gggattttctg	ccagatgttt	gtacgaatng	ctccaattac	aagtggggac	aaagcaaggg	60
gtcgttttggg	nggtcaacaa	gatgttggtc	gcttggactt	cttcaagggc	actgtttacaa	120
gggaatgttg	ctactggcac	ctactcttctg	cccaagttctg	acttataqta	gcatttqtaqa	180
tgcggtgaag	acttttcgcg	atggcttctgt	ctctatttggt	gaaactcacg	ccgcaagcaa	240
gggtcccatg	tccgagcaat	acgacaagtc	tgatggcgag	cagctttccg	ctcgcgacct	300
gacctgggtct	tatgtctgtc	tgttgaccgc	caacaacccg	cgtaactccg	tcttgccctgc	360
ttcttggggc	gagacctctg	ccagcagcgt	gcccgggcacc	tgtgcggcca	catctgcgat	420
tgggtaccta	cagcaagtgtg	actgtcacct	cgtggccgag	tatcgttqct	actggcggca	480
ccactaaaga	cggttacccc	ccactnggat	tgggcagcgt	gacctccgac	caagcaaaaga	540
ccaccgcgac	tgctaacaat	gaacaagcaa	ccaagttaag	tcatcaaacc	tctgttacca	600
actcccaacc	ggccgttggc	tgggtgacttt	cngattntga	caagctacca	acaacctanc	660
gggggaggaa	caatctacct	gggt				684

<210> 3816
 <211> 545
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(545)
 <223> n = A,T,C or G

```
<400> 3816
ctccgaagta cgatgagctc gcagctctct atgctgacca ccccgatttg gcggctaagg      60
tcaccatcgc taagatcgat gcgacggcca acgatgttcc ggacccgatt accggattcc      120
ctaccctcag actctaccgg gccggtgcca aggactcccc cattgagtag tctggctcgc      180
gcactgtcga ggaatttgcc aactttgtga aggagaatgg caaacacaac gttgacgccc      240
tcaatgtcgc ttccgaggaa acacaggagg gtggtgatgt gactgaggct gtccctnccg      300
tacggangcc gagacccggg ctgncacaga tgacgagaag gcagaacatg acgaactgta      360
aacagtcttc caattgagat ccccttaatg ctgtgccgta tcaatactaa ttattttgaa      420
cttcgttctc tatggtaact tttgnaatct tngaccanct gtgttggttg aattactaaa      480
ttggaccagt tctatttggc naacaatnga tganttttaa ttgtcncgct gtctaaaaaa      540
aaata                                           545
```

<210> 3817
 <211> 586
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 3817
ttttttttta tgaatccctt tcatttttag aatgtttctta ggtcatacta aaaaaaaaaa      60
ccggtaccac cccctttggt ctagaagccc ttggtatcgc tttttttttt tctcttcttg      120
ctccaaatcc caggttttaac acattttaca tgacaacacc ggagttggag gcaatacagag      180
gccaaagctc agcagccctc ttaccaacgg gaccagtgat agcggaaccc ttcattctac      240
ccttggcggt gacgataaca ccagcgttgt cctcgaaagta gaggtagata ccgtcggggc      300
gtctccaggg cttgctctga cggacaacaa cagcgggcat gaccttctta cggagctcag      360
gctttccctt cttgacggtg gccatgacca tgtcaccgac accggcagcg gggagacggt      420
tcaggcgagc accgataccc ttgacggaga tgatgtacag gttgcgggca ccggagttgt      480
cgcagcagtt gagcacggcg ccgcaaggca gaccgagggt catcttgagc ttgttgccgg      540
aggcaccacc ggcctctctc gcagacatct tggctgtgta tctagg                                           586
```

<210> 3818
 <211> 586
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

```
<400> 3818
ggtactgkea smtggtggcg agtatcgtgg ctactggggg caccactaag abggctaccc      60
ccactggatc cgggagcgtg acctcgacca gcaagaccac cgcgactgct agcaagacca      120
gcaccagtas gtcatacaac tctgtacca ctcccaacgc cgtggctgtg actttcgatc      180
tgacagctac caccacctac ggcgagaaca tctacctggt cggatcgatc tctcagctgg      240
gtgactggga aaccagcgac ggcatagctc tgagtgcgtg caagtacact tccaaqgacc      300
cgcctcggta tgrcaacgtg actcrgccgg ctggtgagtc gtttgagtag aagttttatc      360
gcaattgagag cgatgactcc gtggagtggg agagtgatcc caaccgagaa tacaccgttc      420
ttaagcgtgc ggaacgtcga ccgcgacggg gactgacacn kgcggttagac aatcaatcat      480
ttcgctatag ttaaaggatg gggatgaggc aattggtwta tgacatgtat gnagtgggtg      540
gcataatagt artgaaatgg aagccaagta tgtgaaaaaa aaaaaa                                           586
```

<210> 3819
 <211> 437
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(437)
 <223> n = A,T,C or G

```
<400> 3819
tggttactcc gtttttctgtg gtgtcgggtga gcgtactcgt gagggtaacg atctgtacca      60
cgaaatgcag gagactgggtg tcatccagct cgagggtgac tccaaggteg ccttgggtgtt      120
cggtcagatg aacgagcccc cgggtgcccc tgcccgtgtc gcccttaccg gtctgaccat      180
tgccgagtag ttccgtgacg aggaggggtca ggacgtgctg ctcttcattg acaacatttt      240
ccgtttccac caggccgggt ttgaggtgtc tgccctctgg gtcttatccc ctctgcccgc      300
gttaccgaag cactctgggc gtgcacatgg gtggtatgca ngaaccgtat taccaccacc      360
accaagggtt cattacctcc gtncaagccg tctacgtncc tgctgacgat ttgactgacc      420
ttgccccggc aacactt                                     437
```

<210> 3820
 <211> 715
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 3820
caagggtcgc ttaccgctcc accgtatcca ggctgaggag gccgagtaca agctctgcaa      60
ggtaacagct gttcagctcg gcaagggcgg gatcccatcc ttggttacgc acgatgagag      120
aaccatccgt taaccggacc ccgccatcaa ggtcaacgac accgtgaaga tcgacattgc      180
cactggcaag atcgccgaat tcgtcaagtt cgacactggg gttgtcgcca tggccaccgg      240
tggtcgtaac atgggtcgtg tcggtgtcgt taccaccgtg gagcgccacg atgggtggtt      300
caacatcgtc cacatcaagg acgctattga caacaccttc gccaccctg agtccaacgt      360
cttcgtcctc ggtaaggaca agccctggat ctccctgccc aagggaagg gtgtcaagct      420
ctccatcgct gaggagcgtg accgccgccc tgccctccag tagatgtggc atggtaagtg      480
atgtaggctg ccggaaaaaa aaaagcgttg caaaattccc ctgtggcgat gacatcttgt      540
cttgctttgt ggacctgtat gacgccggtt acgataatta tatgaagcgt tatccagaac      600
aaaaaaagaa agaattgtct acaggacaca aagttacacc tgttactgta ccgtagactt      660
gtacactaaa gcaagggtcaa gatgccaagt ctgtctacct atgataaaaa aaaaa      715
```

<210> 3821
 <211> 593
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

```
<400> 3821
aggcaccgca agaactcatct cttegatata gacatccccg gcaagatcac ctccaaagag      60
agcgagggtcc tgtccctctg taaccagttg actgtctgtg atctgcccga ctatgggaaa      120
atcggaactgg ctatctgcta cgatatccgc ttcccgaggg ccggcatgat tgcggctcgg      180
aagggtccct tcatctctat ctaccgggga gcatccaaca ccaccacggg tccgttgacc      240
tggtcgctgt tggtctgtgc tcgsgccgtt gataacccag tgtatgtggc ctgtgtcagt      300
cccgctcgag acatgagcgc ctcgtaaccac ggcctatggc acagtttggg tgcggatccg      360
agcgcaaatg tgttggtcga gacngaggag aaggaagaca ttatctacgc ggtctctgat      420
aacgagacga tccanacacg aggaanggta ttccattac acgcaaggcg gttcgattgt      480
actcggacgt gatgcccaaa gcaaaataccc ctganttgtc attgagtcgc tgaatatatt      540
```

cttgcaacca gtattnccta natggggattg acgatnntga cctaaaaaaaa aat

593

<210> 3822

<211> 621

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(621)

<223> n = A,T,C or G

<400> 3822

tcgaaacatt	tcacttgcgc	ttaaacaacc	tatcttcagc	gaattaagga	gacatggggg	60
gcaagtctgc	taccaaggcc	gcttacttcg	agaagctcaa	ggcccttctc	gatgagtaca	120
agacgggtctt	caattgtcgg	gtcgacaatg	tcagctctca	gcagatgcac	gagattcgtc	180
tgagtctcgc	tggcgagggt	gtcgtctcga	tgggttaagaa	caccatgggt	cgccgtgcca	240
tcaagggctt	cgtcaacgac	aaccccgagt	acgagcgtct	gtcccccctc	gttaagggtta	300
acgttggttt	catcttcaac	aacggtgacc	tcaaggccac	caaggagaag	atcctggcca	360
accgtgtcgc	tgtcccgct	cgtgcgggtg	ccatcgtctc	tggcgatgtc	tgggtccccg	420
ccggtaacac	cggtatggaa	cccggttaaga	nccttttctt	ccaagctcct	ggtgtcccca	480
acaaagantg	ctcgtggtaa	caattgaaat	taccaacgan	ctcaanctct	tgangctgga	540
agcaaggctg	gtccctccga	aggcaacctg	tcaacatgct	gaacatctct	ccntcaact	600
aanggtatga	ccatcaacaa	g				621

<210> 3823

<211> 587

<212> DNA

<213> *Aspergillus niger*

<400> 3823

caacaacccg	ccaaaatggg	tgcgctcgt	accaagacag	tcaagcgttc	cgctaaggtc	60
gttatcgagc	gttactacc	caagttgacg	ctcgacttcg	agaccaacaa	gcgtatctgc	120
gatgagatcg	ctatcattgc	ctccaagcgt	ctccgcaaca	agatcgctgg	ttacaccacc	180
caccttatga	agcgtatcca	gcgtggccct	gtccgcggta	tctccttcaa	gctccaggag	240
gaggagcgtg	agcgcaagga	tcagtacgtt	cctgaggtct	ccgctctgga	tgtttccag	300
accgagtcgc	gccagctcga	cgtcgactct	gagaccaagg	acctgctcaa	gagcatgggc	360
ttcgacaacc	tcaaggkcaa	cgtcatcccc	gkctcccagc	agcaggctca	ggagcgcccc	420
cgscgstacc	ggtagatcat	tgcgcgkgtg	aacggaaaaat	gaaaaagttc	tgattgcttc	480
ggkcgatcca	tggcgkctcc	catgcttggt	ctggkgtggt	cacccgstat	cgatttagct	540
tagagacagc	tcggatgaga	aatgaacacg	aattctgkca	aacaaaa		587

<210> 3824

<211> 615

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(615)

<223> n = A,T,C or G

<400> 3824

cagtgggggt	agccgtcgtta	gtgggtgcgc	cagtagccac	gatactcggc	cacgaggtga	60
cagtcaacact	gctgtaggtta	ccaatgacaa	cgtgaacctcg	acaggaagaa	ccaccgagac	120
tgtatgaaag	accagcaacca	gtacgtcacc	aacctctgtt	accactccca	ccgcctgggc	180
tgtgactttc	gatctgacag	ctaccaccac	ctacggcgag	aacatctacc	tggtcggatc	240
gactctccag	ctgggtgact	gggaaaccag	cgacggcata	gctctgagtg	ctgacaagta	300
caactccagc	gaccgctct	ggtatgtcac	tgtgactctg	ccggctgggtg	agtcgtttga	360
gtacaagttt	atccgcattg	agagcgaatga	ctccgtggag	tgggagagtg	atcccaaccg	420

agaatacacc	gttcctcagg	cgtgcggaac	gtcgaccgcg	acggtgactg	acacctgcgg	480
tagacaatca	atccatttcg	ctatagttaa	aggatgggga	tgagggcaat	tggttatatg	540
atcatgtatg	tagtgggtgt	gcataatagt	aagtgaaatg	ggagcccaag	tcatgtgaat	600
gnaatcgaaa	aaaaa					615

<210> 3825
 <211> 641
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

<400> 3825	
gdcgatgaag	gggatgctta cccgccccat cacctgcttg cgtcggcttt tccctcgtga 60
tgatgtccac	caagtcgctc caggctcaac agctcgtctt cgtctcgtgt gacgaggttg 120
ttgacctcga	ggctgctggc atcaagggtca tccagggtcga cgaagcccg ctttcgtgag 180
ggtctccccc	tccgtgctgg caaggagcgt gaggagtact caagtgggcc gtccgtgcct 240
tccgcctggc	caactctggg tgtcaccgac ggtactcaga ttcactctca cttctgttac 300
tctgagttcc	aggacttctt ccacgccatc gctgcgtgg atgccgatgt tctgagcatt 360
gagaacaaca	agtcggatgc caagctgctc aaggctctca tcgacgaagg cctaaccctcg 420
tcacattgga	cctgggtgtt acgacatcca ntctccccgt gttccaacca acaagagatn 480
aaggaccgcg	tccaggagat gcttcagtac tccgccttga ncaactttgg ataaaccctcg 540
actgtgggtc	tgaanaccgc tcaattggcc caaaacaaag gttgcctgac aaaaatggctc 600
aacgctgcca	aantttcttc gtnaanaagc acgggaaact a 641

<210> 3826
 <211> 611
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(611)
 <223> n = A,T,C or G

<400> 3826	
gcaacggctc	catgtccgag caatacgaca agtctgatgg cgagcagctt tccgctcgcg 60
acctgacctg	gtcttatgtt gctctgctga ccgccaacaa ccgtcgtaac tccgtcgtgc 120
ctgcttcttg	gggcgagacc tctgccagca gctgcccgg cacctgtgcg gcacatctgc 180
cattgggtacc	tacaqcaqtg tgactgtcac ctctgtggcg agtatcgtgg ctactggcgg 240
caccactacg	acggetaccc ccaactggatc cggcagcgtg acctcgacca gcaagaccac 300
cgcgactgct	agcaagacca gcaccagtac gtcatacaacc tncgttacca ctcccaccgg 360
cgtggctgtg	actttcgatc tgacagttcc accacctacg gcgagacatc tacctggcgg 420
atcgatctct	aactgggtga ctgggaaacc agcgacggna tactntgatg ctgcaagtca 480
cttcaggacc	cgtctggatg tactgggatn tgccgtgtga atcnttgatn caagttntcc 540
gattgaagca	tncctgggaa tgganagtgt ccaacngat anccgtctta ggggtcggan 600
gtnacggaag	g 611

<210> 3827
 <211> 582
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(582)
 <223> n = A,T,C or G

```

<400> 3827
ngtantggtg cegccagtat ccacgatact cggncacgag gtgacagtca cactgctgta      60
ngtaccaatg gcagatgtgg ccgcacangt gccggggcacg ctgctggcaa gaccagcacc      120
agtacgtcat caacctcctg taccactccc accgccgtgg ctgtgacttt cgatctgaca      180
gctaccacca cctacggcga gaacatctac ctggctcggat cgatctctca gctgggtgac      240
tgggaaacca gcgacggcat agctctgagt gctgacaagt acacttccag cgacccgctc      300
tggtatgtca ctgtgactcy gccggctggt gartcstttg agtacaagtt tatccgcatt      360
gagarcgatg actccgtgga gtgggarart gattccaacc gagaatacac cgttcctcaa      420
gcgtgcggaa cgtcgaccgc gacggtgact gacacctggc ggtagacaat caatccattt      480
cgctatagtt aaaggatggg gatgagggca attgggtata tgatcatgta tgtagtgggt      540
gtgcataata atagtgaat gggarccaaw raaaaaaaaa aa      582

```

<210> 3828

<211> 629

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(629)

<223> n = A,T,C or G

```

<400> 3828
accactacag cgtcaacaat caaaatgggg cgtctcaccg agtaccaggt cattgggcgt      60
cacctgcccc ccgaggctaa cccacgcgcc aagctgtacc gcctgcgcct ctctcgcgccc      120
aacactgttg tcgctaagtc ccggttctgg tacttcctga ccagctccg caaggtcaag      180
aaggccaacg gtgagatcgt cagcatcaat gtgatcagcg agaagcgccc taccaaggtc      240
aagaacttcg gtatctgget ccgctacgac tcccgctccg gcacccacaa catgtacaag      300
gagttccgtg agatgagcgg caccgaggct gttgaggctc tctaccagga catggctgcc      360
cgccacccgtg cccgcttggg ctccatccac atccttaagg ttgttgagat cgagaacgcc      420
gacagcatcc gccgccccta catcaagcag ctctctcca agaactcaag ttccccctgc      480
cccacgctgc tgcccacggc aagaagctgt tccgttactc tcgtcccact actttcgcgt      540
aaatgtgacg ttttgggttt ggggtgatcg agtgtgtgga tgaatgacta tgttatgggc      600
atagcatgca cgaanggaca cggagcacg                                     629

```

<210> 3829

<211> 601

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc feature

<222> (1)...(601)

<223> n = A,T,C or G

```

<400> 3829
cgagaccttc atcaagatgc agatcttcgt caagaccctt acgggtaaga ctatcacctt      60
cgaggtggag tctcggaca ccattgacaa tgtcaagtcg aagatccagg acaaggaggg      120
tctcccccgg gaccagcagc gtctgatctt cgttgggaaq cagctccagg acgqccqtac      180
tctttcggac taaaacatcc agaaggagtc caccctccac ctgggtgctcc gcttgcgtgg      240
tggttggaag aagcgcaaga agaaggctca caccaccccc aagaagatca agcacaagca      300
caagaaganc aagcttgccg tctcaaagta ctacaaggtc naccgtgatg gcaagaatga      360
accgtcttcg gcgcgaagtg ccttncocg atgcgggtgt gnatcttatg gccgntntga      420
caaccgcagt ctgcggaagg gcacctacta cgttttnacq agtccaataa tggactttgc      480
catcgttcgc cagggtcttt tttccgggag cgcctacaat gcggctgtga atttntgggt      540
gataaggttg gaatttgenc tttgatcgnc cctagtggcc aagcattgng aacgaaaaat      600
t                                     601

```

<210> 3830

<211> 604
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(604)
 <223> n = A,T,C or G

```
<400> 3830
ttcatcactt cccctcttccc ttcattccaat tcatcttcca aacacatcta aacaatggct      60
cccaaggtag gtatcaacgg ctccggtagt atcggacgta tegtcttccg taacgccatc      120
aaccacggcg aggttgacgt cgttgctgtc aacgacctct tcatcgagac ccactatgct      180
gcctacatgc tcaagtacga cagcaccacac ggccagttca agggcaccat cgagacctac      240
gaggaggggt tgattgtcaa cggcaagaag atccgcttct tegttagcgt tgaccccgct      300
gcaccccgct ggggacacac ggcgctgact acatgttcca gtccactagg gtatttccac      360
ccaggagaag gcgcgcgtta cttgaagggt ggtgacaaga aggttcgcat ctttggtctt      420
tcgcgtgatg ccccatgttc gtatgggtgg tcaacaacac ttctacacca agacatnaac      480
gtcttttcaa gttnttgnac accaatgctt gntcccttgc caggcataac acaagtgcga      540
ttgtgaggnt tatgacacgt cantctaacg ttccaaaggc ntatgcctct cacaaggntg      600
ggng                                             604
```

<210> 3831
 <211> 601
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 3831
gcaacaacga aaacccgcag catgcagatt ttctcaaga cctcacggg taagaccatt      60
accctcgacg tcgagtcgag cgacaccatc gacaacgta agaccaagat ccaggacaag      120
gagggtatcc ccccgatca gcagcgtctt atcttcgctg gtaagcagct tgaggatggc      180
cgcacctga gcgactacaa catccagaag gactccacc tccacctggc cctccgtctc      240
cgttggtggt tcatcgagcc ctcccttaag gctctgcct ccaagtacaa ctgcgagaag      300
tccatctgcc gcaagtgtca cgcctctctt cccccctg ccaccaactg ccgcaagaag      360
aagtgtggtc acaccaacca gctycgcccc aagaagaagc tcaaatagac gattatctta      420
ttaagggttt tctgcgttgc tggggaaaag agctgctggg gttacgatac gattgcaacg      480
tgggagattt tctacatggc gttggaatga tgaatcatta cttatagccg aagtcaaagt      540
tctatagttg actcctcggg aagragttgc aatcaaagca caacctgkaa aattcaaaaa      600
a                                             601
```

<210> 3832
 <211> 627
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

```
<400> 3832
ctaaccgggt caagtgcaga aagcagccaa gatgcctcgc ggacctaaga agcaccagaa      60
gggccttagt ggcgccttct actggctcct ggacaagatg tccggaacct acgcccccaa      120
ggcctccccg ggtctcaca agctccggga ctgctcgcct ctgactgtct tcatccgcaa      180
ccgtctcaag tacgccttta acggccgtga gaccaaggcg atcatgatgc agcgtctgat      240
caaggctgag ggcaaggctc gcacccgacc tacctacccc gctgggttca tggacgtcat      300
cggcatcgag aagaccggcg aagaacttcc gctnatctac cacaccaagg gtngntttaa      360
ccgtccaaac gtattcaagg ttgaggaagg ccgattccaa gctcttgnag gncacccgtg      420
ttcaanttng gaaggcgagg atcccatttt tggttacgca cgatgcgaga acctccggt      480
accccgaccc gccatcaagg tnaacgacnc cgtgaaagtc qnattgcac tggcaagatc      540
```

gccgacttct naagttecaa ctggtgttgn cgccatggcc accggtgggc gaaaatgggc 600
gggtcggngt cgttcccacc gngagcc 627

<210> 3833
<211> 606
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 3833
atcggaacct aagcctattg ctctcgagcg tggcttcgcc accatccctc tccggggcat 60
cgatgtgccc ttccacagca cgttccttcg ttctggtgtc aagcccttcg gttctttctt 120
gtcacaaga atcaacaaga ctaccattga tcctagttaa ctgacgggca aatatattcc 180
gaacgtcaca gcaagaccgt tcgaaatcac caaggagtag ttcgaggatg tttacagact 240
caccaactcc cccagaattg cgcatactct tgccaattgg gagaagtatg aggatgggtga 300
acgcaacact ggagtggctg atgcctaggg gtagattcat tccgatatat ataggattct 360
ggtgggtcact tgnttctaaa tctcagcgct tgggtctancg ctggggtttcg aaatgcccta 420
atatcactgt caaaaaaaaa anaaaaaaaa aaattctggg gccgtcaaca tgctttaaag 480
ggccaattgn ccttagngnc ggntcaattn ctggccgcgt ttanacgtcg gactgggaaa 540
acctggngtc ccacttaatg cttgagnnat cccctttgca agtgggtata ccaaaggccc 600
ccctn 606

<210> 3834
<211> 616
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 3834
gtatattact cttataacct ttaataacct ttaaatccct tcacacacat tcaaatggg 60
caaggacgct tctttcgtc cgggtgactc cgccaagggt gctaagctct tccagactcg 120
ttgcgctcag tgccacactg tcgaggctgg tggctcccac aaggctcgcc ccaacttgaa 180
cggctctctt ggccgtaaga cgggtcaggc cgagggtac gcctacaccg acgccaacaa 240
gcaggctggg gtcaactggg atgagaactc tctgttctcc tacctcgaga accccaagaa 300
gttcaccccc tgtaccaaga tggccttcgg tgggtctcaag aagggaagg agaggaacga 360
cctcatcact tacctcaagg agagcaccgc ttaaatattc tcaccgtcat gaactattct 420
agaacccgcc tggcgaacat tgtnacttat ccgtgctgga aacaggcggt gaagtcggca 480
acctgacagt cagggactgt acanttcac gccntattac cccngataga ctttggcggt 540
ntgcgttgga ccattengat ccattngagn tgggtctnttc gggaccgtgg ntaanattcc 600
ttntggctct ttttac 616

<210> 3835
<211> 492
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

<400> 3835

caggatgaga	tgcttcgcgc	tggtcgtctc	gaccgcaagt	acaacgggat	catggactgc	60
ttccgtcgta	ccgctgcctc	cgaggggtgt	gtttccctgt	ggcgtggtaa	cactgccaac	120
gttatccgtt	acttccccac	ccaggctctt	aacttcgcct	tccgtgacac	ctacaagtcc	180
atgtttctct	acaagaagga	gcgtgatgga	tacaccaagt	ggatgatggg	taaccttgcc	240
tccgggtggt	ctgctgggtg	cacttccctc	ctcttcgtct	actccctcga	ctacgcccgt	300
acccgtcttg	caacgacgcc	aagtccgcaa	gggcgggtgg	gaccgtcagt	tcaacgggtct	360
cgttgacgtc	tacaagaaga	ccttgcttcg	acggattgcc	gnctttaccg	gggttnggnc	420
ctttggtgct	tggaatgggt	gctaccgggc	tggacttngg	atgaccnant	cattaagccg	480
ttgttngggg	gg					492

<210> 3836

<211> 687

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(687)

<223> n = A,T,C or G

<400> 3836

tgcgggtcat	gtctcggccg	gttacggctc	cattggcaag	caccgtaagc	accccggtgg	60
tcgtgggatg	gccgggtggt	agcaccacca	ccgcaccaac	ctcgacaagt	accaccccgg	120
ttacttcggt	aagggtcggt	tgaggtaact	ccacaagacc	cagcagcagt	tctggaagcc	180
cactatcaac	cttgacaagc	tgtggtctct	cgccccgcc	gagaagcgtg	acgcctacct	240
gagcggccag	aagaccgaca	ccgcccccg	catcgacctc	ctccccctcg	gctactccaa	300
ggttctcggc	aagggtccgt	cccccgaggt	ccccatcgct	gtccgcgctc	gctacttcag	360
ccgggatgct	gaggagaaga	tcaaggctgc	cggtggtggt	gttgagctcg	ttgcttaagt	420
gtggaaagtc	tgggatttca	cttgagggat	gaaaaaccgg	gacaggtgct	gcgctggcta	480
cgattcgggt	taatagagat	tcaaatctct	ccgggggaat	gagaaaacaa	aaaatgggar	540
ccgcggtatg	ggcaccctga	tccgtgtatt	tacaaattca	aaagggtttc	tatttgtgac	600
gagmaaagat	tggcctnccg	atgcccttac	gatcacgctt	ctattattga	acaataccat	660
aaaggaggac	aacttttttt	ttctgtg				687

<210> 3837

<211> 483

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(483)

<223> n = A,T,C or G

<400> 3837

caggattcgt	gacctacaag	aactggccca	tctacaaaga	cgacacaacg	atcgccatgc	60
gcaagggcac	agatgggtcg	cagatcggtg	ctatcttgct	caacaagggt	gcttcgggtg	120
attcgtatac	cctctccttg	agtgggtcgg	gttacacagc	cggccagcaa	ttgacggagg	180
tcattggctg	caagacccgt	acggttggtt	cggatggaaa	tgtgcctggt	cctatggcag	240
gtgggtctac	taaggtattg	tatccgaactg	agaaqttggc	aggtagcaag	atctgtagta	300
gctcgtgaag	ggtggagagt	atatgatggt	ctgctattca	atctggcatt	ggacaagtga	360
agtttgagtt	tgatgtacaa	gtggagtcgt	tactgntggc	atcccttata	tctcgatggt	420
tttgaacct	aatgccaaca	cgctagtcta	tataggaaa	gntccggatt	aaaaaaaaa	480
ttt						483

<210> 3838

<211> 559

<212> DNA

<213> *Aspergillus niger*

```

<400> 3838
gcgagatcac cgcgatgcggc atccctatta actacaacgc ctcgaaagaa tgggccgata      60
agaaggttgt totattctcc gtgcctgggtg ccttcacccc cacctgctcc atcaaccatg      120
tccccggcta catccagaac cttcctcagc tgaaggagaa gggcgtgcaa gtcgttgccg      180
tgatcgcgtc caatgatcct tttgtcatga gcgcttgagg aaaggcgaat aatgtcaaag      240
gtgatgatat tcttttcttg actgatcctg atgcgcgctt ctcgaacaac cttggctggg      300
cgagtgggtg tgcacccggg cggtttgcca ttgtcattga tcatggcaag gtgacctatg      360
cgcagattga gactgagaag ggtgctgtta aggtctcggg cgctgatgct atcctggcga      420
atttgtgaat gttgagcgtt cactagatgg gatgcagtag aatcaccatg gttgccattt      480
gttatgttcc ttcttagcga gtgagcaaga tacaaatagc tagtcacgaa tctcaaagcc      540
ttcgaagatg aaaaaaaaaa

```

<210> 3839

<211> 1024

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(1024)

<223> n = A,T,C or G

```

<400> 3839
attagataaa aaaccaatgc ccttcggggc tccttggtga atcataataa cttaacgaat      60
cgcattggcct tgcgcggcg atggttcatt caaatttctg ccctatcaac ttctgatggg      120
aggatagtgg cctaccatgg tggcaacggg taacggggaa ttagggttcg attccggaga      180
gggagcctga gaaacggcta ccacatccaa ggaaggcagc aggcgcgcaa attacccaat      240
cccgacacgg ggaggttagt acaataaata ctgatacggg gctcttttgg gtctcgtaat      300
tggaatgagt acaattctaa tcccttaacg aggaacaatt ggagggaag tctggtgcca      360
gcagccggcg taattccagc tccaatagcg tatattaaag ttgttgcaat taaaaagctc      420
gtagttgaac cttgggtctg gctggcgggt ccgncctacc cgagtactgg tccggctgga      480
cctttccttc tggggaatct catggccttc actggctgtg gggggaacca ggacttttac      540
tgtgaaaaaa ttagagtgtt caaagcaggc ctttgctcga atacattagc atggaataat      600
agaataggac gtgcggttct attttgttgg tttctaggac cgcgtaatg attaataagg      660
atagtcgggg gcgtcagtat tcagctgtca gaggtgaaat tcttggattt gctgaagact      720
aactactgcg aaagcattcg ccaaggatgt tttcattaat cagggaacga aagttagggg      780
atcgaagacg atcagatacc gtcgtagtct taaccataaa ctatgccgac tagggatcgg      840
acggtgtttc tattatgacc cgttcggcgc cttacgagaa atcaaagtgt ttgggttccg      900
ggggtttgga tttctctctt gactgaggtc aaagcagctc gctcggaccc ggtattgggt      960
gatatgtgat gatggtttag acatgccaaa aagttgggtat tcttcaatat atgaaaaaaa     1020
aaaa

```

<210> 3840

<211> 570

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(570)

<223> n = A,T,C or G

```

<400> 3840
ccgacttca agccccttag ccgccccttc aagcggatga agtactctga ggccattgaa      60
tggctgcggg aacacgatat tcccacgagc gaggggcaag ctcacgagtt cggcgaatga      120
atggccgaag ctgctgagag aaagatgacc gatatcatca accagcccat cttcctaacc      180
cacttccccg ctgagatcaa ggccctctac atgaagaagg atgtcgaaga ccgcctgtgc      240
actgagagtg tggacgttct catgcctggg gttggtgaga ttgtcgggtg tagtatgaga      300
atggatgact gggatgagct catggccgcc tacaagcagc aagcatggat ccttcccgct      360
tactggtaca ccgaccagcg caagtaacgga cttcccttac ggtggttacg nctttggtct      420

```

cgaacgtttc	ctggcttggt	tggtgctcgt	tattcccgtc	gngantgttc	ttggatcctt	480
ggtttnanagg	cgtttgacgc	ntaagnctt	tgatgcatag	ncagattctt	ggttcnttga	540
tgctccaatn	acttcattgg	gaatcggtag				570

<210> 3841
 <211> 623
 <212> DNA
 <213> *Aspergillus niger*

<400> 3841						
caccacccac	ccccttcgtc	cattgcaaga	tgagctctct	ccgttcctgt	cgctctgcct	60
tcagggcccg	tccctccgct	ctccgcgttc	ctctccagcg	cagagggttac	gccgaggctg	120
tgctcggacaa	gatcaagctt	tccctgaccc	ttcctcacca	gtctatcttc	aagtcgaccg	180
gcgtttgtcca	ggccaacata	ccgcgcgaat	ccggagagat	gggtgttctc	gccaaccacg	240
tccctcccat	tgagcagctc	aagcccggtc	tcgttgagat	cgttgaggag	gggtgtgcca	300
gcaaaagatt	cttccctgct	gggtgtttcg	ccgtttgtcca	cccggaactcc	caagctgagc	360
arcaaagcgcg	tcgaggggtt	ccctctcgag	gaattcagca	ttgacaacgt	ccgttcccag	420
atcgccgagg	cccagaagat	tgccaacgga	agcggcagcg	agcaggatat	tgctgaggcc	480
aagattgagc	ttgaggtgct	ggagagcctg	caagccgctc	tcaaatagat	acctgatgta	540
catatccact	cgcgacttca	actttgaacc	tgtagaatta	tagcaattct	cawggaaaca	600
cttttttgca	atgaaaaaaa	aaa				623

<210> 3842
 <211> 623
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 3842						
cttatctatc	aacctccatc	aatctttcat	cctcaacgtc	atctttccat	ctctaaaaca	60
actaaatcca	tcaaacttaa	tccactaaga	tggcccgcac	taagcagact	gcccgttaagt	120
ccactggtgg	caaggctccc	cgtaagcagc	tcgcctccaa	ggctgcccg	aaggccgctc	180
cctccaccgg	aggtgtcaag	aagcctcacc	gttacaagcc	cggtaccgtc	gctctgcgtg	240
aaatccgtcg	ttaccagaag	agcactgagc	tccgtatccg	caagctgccc	ttccagcngt	300
cttgtccgtg	aaattgctca	ggacttcaag	tcggatctcc	gcttccagtc	ctccgccatc	360
gggtgctctt	angagtctgc	gaggccctacc	tcgtctccct	cttcgaggac	accaacctgt	420
gcgccatcca	cgccaagcgt	gtcaccatcc	agtcaangga	catcccagct	tgccccgccg	480
tcttccgtgg	tgagccgctc	ttagattact	tctaataaag	tcgatctttt	tctggttngg	540
gaagggcatt	aacggggggt	tctttttctt	ttaattttca	ttgactactg	gccgatacca	600
tgattggggg	ttgccaaant	ttn				623

<210> 3843
 <211> 486
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(486)
 <223> n = A,T,C or G

<400> 3843						
tggttgccgc	gcacatgggtg	gcgagaacgt	ctacctgcaa	gccttggtga	agctctaccg	60
attcctcgcc	cgtcgtaagg	aatccaaactt	caacaaggtc	gtcttgccgc	gccttttcat	120
gtccaggatc	aatcgcccc	ccgtttcgtc	ctcgcgcat	gtatccaatg	tgaccgactc	180
ccacaagggc	aagactatcg	ttgtgatcgg	caccatcact	gacgacaacc	gtcttctgac	240

tgccccgaag	ctgtctattg	cagcacttcg	tttcacggct	actgctcggg	ccaggattga	300
gaaggctggg	ggtaggtct	tgactttgga	ccagctcgct	ctgctgccc	ctactggagc	360
aaacactctt	cttcttcgcg	gacctaagaa	tgctcgggan	gcagtgagca	ctttnnggtt	420
cgncccaaaa	ggcacaagaa	acctacgttc	gcancaangg	gacgtaagtt	cganagancc	480
gtggac						486

<210> 3844
 <211> 745
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(745)
 <223> n = A,T,C or G

<400> 3844						
ctcaaatttg	aaagctggct	ccttcggagt	cgcattgta	atttgcagag	gatgctttgg	60
gtgcggcccc	cgtctaagtg	ccctggaacg	ggcgcgcaga	gagggtgaga	atcccgtctt	120
gggcgggggtg	tccgtgcccg	tgtaaaagctc	cttcgacgag	tcgagttgtt	tggaatgca	180
gctctaaatg	ggtaggtaaat	ttcatctaaa	gctaaatact	ggcgcgcgtt	cgtgcctgct	240
tcttggggcg	agacctctgc	cagcagcgtg	cccggcacct	gtgcggccac	atctgccatt	300
ggtagctaca	gcagtgtgac	tgtcacctcg	tggccgagta	tcgtggctac	tggcggcacc	360
actacgacgg	ctacccccac	tggatccggc	agcgtgacct	cgaccagcaa	gaccaccgcg	420
actgctagca	agaccagcac	cagtacgtca	tcaacctcct	gtaccactcc	caccgcctg	480
gctgtgactt	tcgatctgac	agctaccacc	acctacggcg	agaacatcta	cctggtcgga	540
tcgatctctc	agctgggtga	ctgggaaaacc	agcgacggca	tagctctgag	tgctgacaag	600
tcacttttcag	cgacccgtct	ggatgtcact	gtgactctgc	cgtttgtgag	tcgtttgagt	660
acaagttatc	cgattgagag	cgatactcgt	gaatgganag	tgatccaacc	gagaatacac	720
cgtcttaagc	ttcggaacgt	naacg				745

<210> 3845
 <211> 513
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(513)
 <223> n = A,T,C or G

<400> 3845						
gttcgcgata	cggccaagtc	agtcaaaatg	gtcaacgttc	cgaaaacccg	ccggacgtac	60
tgcaagtcca	aggagtgcc	caagcacacc	cagcacaagg	tcaccagta	caaggctgga	120
aaggcctccc	tgctgcacca	gggtaagcgt	cgttacgacc	ggaagcagag	cggttatggt	180
ggtcagacca	agcccgctct	ccacaagaag	gccaagacca	ccaagaagat	tgctcttcgt	240
cttgagtga	ctgcttgcaa	gaccaagaag	cagctttctc	tgaagcgctg	caagcacttc	300
gagcttggtg	gtgacaagaa	gaccaagggt	gctgctcttg	tcttctaaat	ttgcggtttt	360
cttgcttcggc	tctgggtttc	atgcattgca	cagaccgcaa	tgctgcggcg	gcggctatga	420
catgggcaac	ggaagatgga	ataggatctc	atattcaaga	aaaaatgaaa	gaatatatga	480
ctcctagtgt	atgagtctct	tgaacgaaaa	aan			513

<210> 3846
 <211> 621
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(621)

<223> n = A,T,C or G

```
<400> 3846
cgacgatatc gacaattccc tcgcggacac accacagccc acgcagtcaa gatgcggtac      60
atttactccg aggaacggct gcccatcccc gagaatgtga aggttcacat tcgctcgcgc      120
attgtgaccg ttgagggacc ccgaggcaag ctcgtaagg acctctccca cattgctgtc      180
accttcggcc gccccgagaa gaatgtcatc tccattgaga tgcaccacgg tgctcgcaag      240
ggaatggctt ccttcgtac cgtccgcacc ctcatcaaca acctgatcat cgggtgtcacc      300
aagggcttca agtacaagat gcgctacgtc tacgctcact ttcccatcaa cgtcaacatt      360
gagaagaacc ccgagaccgg tctgcacgac gttgagatca gaaacttctt gggtgagaag      420
tacgtccgcc gtgtgaccgc ccagcctggc gttgaggtca tcacctctcc caacgtcaaa      480
ggatgagctc gtccctctcc gtaactccct ggaagggtgt ctcccaaaaag tgctgccgac      540
atcaacagat ntgccgtgtc cgcaacaagg atatccgtaa gttccctgac ggtctgtacg      600
tgtcngancg tggtaacatt g                                     621
```

<210> 3847

<211> 492

<212> DNA

<213> *Aspergillus niger*

```
<400> 3847
cccgcgccgc ctttcgagga gtacgttgac atgaagccga tcatgggcac tccggttaac      60
cggaagatct ttgagcggtc gttcgcgtac ttcagtcgtg acctgaagaa tgttagccgc      120
gaactgggcta aggtgaccaa ctatggcaag cggttgggca ttctgagtgc tgatttcgtg      180
gcgaactaca ctaacgacta tttgtcgtgg ggcttggatg ctgactcgac tgatccccctg      240
ggggatcaga agcgcattggc tgagttgcag aagaaggctc ctgccgaggg tggttacaag      300
cggttggagg ttgctctctc ggcttgattg attatcaagc tcggtggarc agcttgctcg      360
cttgacactc taggaacagg gatgattctt atgtaacggc cgtttacgag tctagctgga      420
tgtgctagct taacgactct tttagtatga cagcaatata tcatacgatc ttttgagaca      480
tgaaaaaaaa aa                                     492
```

<210> 3848

<211> 359

<212> DNA

<213> *Aspergillus niger*

```
<400> 3848
gtcgaatact ggaaccagac aggatatgat ctctgggaag aagtcaatgg ctcgctctttc      60
tttaagattg ctgtgcaaca ccgcgccctt gtcgagggtg gtgccttcgc gacggccgctc      120
ggctcgctct gctcctgggtg tgattctcag gcacccgaaa ttctctgcta cctgcagtc      180
ttctggaccg gcagcttcat tctggccaac ttcgatagca gccgttcgga caaggacgca      240
aacacccctc tgggaagcat ccacaccttt caagaacatg gaattgaaaa tgacatgcta      300
aqaaatgaaq aagaagaagg gatcatagaa agttgtccat cttggttaaa aaaaaaaaaa      359
```

<210> 3849

<211> 607

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(607)

<223> n = A,T,C or G

```
<400> 3849
cgttcataca ccagcgggaa ccgtcaagat gcctttccac aagctcgtea agaacagggc      60
ttactacagc cgtaccaga ccaagtaccg tcgtcgcctg gagggtaaga ccgactacta      120
tgcccgtaag cgtttgatca ccagggccaa gaacaagtac aacgccccca agtaccgct      180
ggctcgccgc ttaccacacc gcgactgcta gcaagaccag caccagtacg tcatcaacct      240
cctgtaccac tcccaccgcc gtggctgtga ctttcgatct gacagctacc accacctacg      300
```

gcgagaacat	ctacctggtc	ggatcgatct	ctcagctggg	tgactgggaa	accagcgacg	360
gcatagctct	gagtgcgtgac	aagtacactt	ccagcgaccc	gctctgggtat	gtcactgtga	420
ctctgccggc	tggtgagtcg	tttgagtaca	agtttatccg	cattgagagc	gatgactccg	480
tggagtggga	gagtgatcc	aaccgagaat	acancgttcc	tcangcgtgc	ggnacgtcga	540
ccgcgacggt	gactgacacc	tggcgggtana	caatcaatcc	aattcgctat	agttaaagga	600
tggggat						607

<210> 3850
 <211> 648
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(648)
 <223> n = A,T,C or G

<400> 3850	
tccgactcgt	cgacacatcc
tctcgattcc	acaccgtcaa
atcaacaacg	ccgagaagag
atcatcaagt	tcctttccgt
gacgaccacc	gctccggcaa
gtcatcaacc	cccgctaccc
cctgccctcc	cgtcagttcg
cgaggaggct	cgccgcaaaag
agtttacctg	gaagcttttt
tctccgtggc	ttggcggagt
gattcgagtg	attctttgcga
	atggaactga
	attcaagtca
	tcaaaaaa
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	648

<210> 3851
 <211> 449
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(449)
 <223> n = A,T,C or G

<400> 3851	
gacacccttg	ttgtgcttcc
cgtactcgta	aggatcactc
cgtgatgccg	ccgccatgaa
ctgtcccttg	agttctctga
tcgcgcacca	tcttcnagtc
gatctgctga	accgtatccc
caagattgcc	aacaaggaca
gccgatttga	tcgagacata
	agctatgga
	60
	120
	180
	240
	300
	360
	420
	449

<210> 3852
 <211> 607
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(607)
 <223> n = A,T,C or G

```

<400> 3852
ctcaaatcca tcaaaatgtc ttccgagcag accttcattg ccatcaagcc cgacgggtgtc      60
cagcgcgaggac tggttggccc catcatctct cgcttcgaga accgtgggtt caagctcggt      120
gctctgaagc tctgctcccc cggcctgtgag caccctcgaga agcactacgc tgacctcaag      180
gagaagccct tcttccccgg tctcgtctcc tacatgctct ctggccccat ctgcgccatg      240
gtctgggagg gccgtgacgc cgtcaagacc ggccgcacca tctcgggtgc caccaacccc      300
cttgccctccg ccccggcacc atccgtgggtg actacgccat cgacgtcggc cgcaacgtct      360
gccacggttc cgactccgtc gagaacgccc agaaggagat tgccctctgg ttctccccag      420
cgagctccag cagtgggaagc actcccagtt cgactggatc tacgagaagg cctaaattat      480
tccggcaatg tcgcgcctga gcgcctgcat tccgctacga gttgagatgt agagtacctc      540
gggtgatata aaactncaag atctcatgag aactagaaat acaaatntnc aaaaatatat      600
tcaggaa                                           607

```

<210> 3853

<211> 622

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1) ... (622)

<223> n = A,T,C or G

```

<400> 3853
gtagcttctc cgcttctgct agccaggcct ccaagggttg cgttctcggt gccgccgggtg      60
gcattggcca gcctctgtcc ctgctcatga agcagaaccc ccttgctact gacctcgccc      120
tctacgacat ccgcggtgga cctggtgtcg ctgctgatat cagccacatc aacaccaaca      180
gcaccgtcaa gggctacgag cctactccct ctggcctccg cgatgccctc aagggtctcg      240
agatcactct catccctgcc ggtgttcccc gcaagcccg gatgaccctg gatgacctct      300
tcaacaccaa cgcctccatc gtccgcgacc tcgccaaggc cgcctgtgag gctgctcccg      360
aggctaacat cctcgctcct tccaaacccg tcaactccac cgtcccccac gtctccgagg      420
tctacaagtc caagggtgtc tacaacccca agcgcctctt cgggtgtcacc accttggaag      480
ttgtccgtgc ctncgccttc atctcccagg tcaagggcac caaccccgca acgaggccgt      540
cacgctcacc ggtggccact ccggtgtgac atcgttcccc tntctccca gtcaaccacc      600
ccgacatctn tggcacccgtc cg                                           622

```

<210> 3854

<211> 541

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1) ... (541)

<223> n = A,T,C or G

```

<400> 3854
aacccgttcca aggcctgctt cgtcatcggt gactccgagg gtcacatcgg tctcgggtatc      60
aagacctcca aggaagtgcg taccgctatc cgtgtgnca tcaccatcgc caagctcagc      120
gttctccccg tccgtatagg ttactggggg accaaccttg gtgagcctca ctctnfgcng      180
ttaagcagag cgttaagtgt ggtccgtctt ncgtcagact tatccccgnt ncccggtgta      240
cnggtctcgt tgncttcccc gntgtcaagc gtctgnntca gcttgnngt gtcaggacgc      300
ctacacctgn tcttctgggt caccaaganc ctngagaaca ctctnaaggn tacttttctt      360
ggcgnctgca acacctacgg gtttcttacc ccaaactntg gaaggagact aagctcatte      420
qnagcctntg qaagaagtgc ggtgatgtct tgggtcaggg caagaagtac taggatagtg      480
ctatgatggg aataaccttg catgantggg tttgaatcga actattttnc taagggtttt      540
c                                           541

```

<210> 3855

<211> 505

<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

<400> 3855
cgagggtccc gctgagagcc tcttcacagaa gccctacttt gagcttctgc gcgatgcgct 60
ccgtgagggga ggtgtcatca ccacacaagc cgagaaccaa tggctgcacc tgtctctgat 120
caccgacctc aagaaggcct gcaaggagggt tttccccgtt gccgaatacg cctacaccac 180
cacccccacc taccctcccg gccagatcgg cttcatggtc tgcctgaagg atgccactcg 240
taacgtcaag gagcccgttc gcagctggac ccgtgaggag gaggagaagc tctgccgcta 300
ctacaaccaa gacatccaac gtgccaactt cgttctcccc aacttcgccc gcaangntct 360
ggatgctaaa ctatctgaag ttttgccttt ccaatacttt ggtgggtggc tctccgcttt 420
cnaaggccca cgggggctga taatccatga tgatttgaag atgacaaata ttacaaaaga 480
ttctggcgct tctcaaaaa aaaaa 505

<210> 3856
<211> 600
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G

<400> 3856
atcaaaatgg ggcgctctac cgagtaccag gtcattgggc gtcacctgcc caccgaggct 60
aaccccacgc ccaagctgta ccgcatgcgc atcttcgcgc ccaacactgt tgtcgctaag 120
tcccggttct ggtacttctt gacccagctc cgcaagggtca agaaggccaa cggtgagatc 180
gtcagcatca atgtgatcag cgagaagcgc cctaccaagg tcaagaactt cggtatctgg 240
ctccgctacg actcccgctc cggcaccac acatgtacaa gggagttccg tgagatgagc 300
cgaccgaagc ttgttgaagn ttttttacag gacatggttg ccgcaccgt gcccgtttcg 360
gttcatccac atccttaagg ttgttgagat cgagaacgcc gacagatccg ccgccttaca 420
tcaagcaagt tctttcaaga accttaagtt ccccttgccc accggcttgc caccgaagaa 480
cttgttcggt aattttngtc caattatitt cgggnaatgn gacgttttgg gnttgggtga 540
tcgaatgtgg ggatgaatga ctntgttttg gccatacatt gnccaagga ccgggccccn 600

<210> 3857
<211> 624
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(624)
<223> n = A,T,C or G

<400> 3857
gtggaaactc acgcgcgaag caacggctcc atgtccgagc aatacgacaa gtctgatggc 60
gagcagcttt ccgctcgcca cctgacctgg tcttaagccg gtccgctnac cgcnaaaaaa 120
cgtcgttaaa cctccttacc tcttctttgg ggcgagacct ctgccaaacg cgtgcccggc 180
acctgtggcg ccacatctgc cattggtaac tacagcagtg tgaactgtac ctctggcccg 240
agtatcgtgg ctactggcgg caccactacg accgctacce ccaactggatc cggcagcgtg 300
acctgcacca gcaagaccac cgcgactggt agcaagacca gcaccacgac ccgctctggg 360
atgtcaactg gactctcccg gctgggtgag cgtttgagta caagtttacc cgcattgaga 420
gcgatgactc cgtggagtggt gagaagtqatt ccaaccgaga ataccacgtt cctcaagcgt 480

gcggaacgtc	gaccgcgacg	gtgactgaca	cctggcggta	gacaatcaat	ccanttcgct	540
atagttaaag	ggatggggga	tgaaggcaaa	ttgggtanat	gatcatgtta	gtaatggggt	600
gtgcataata	tantgaaaat	ggna				624

<210> 3858
 <211> 535
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(535)
 <223> n = A,T,C or G

<400> 3858	
ggtgactgca	ctttcgggac
atcgagtaca	tcaagaaggg
tacacccacc	ccgaggtcgc
atcaagtacc	gcgtcggtac
gagactgagg	gtcaggtcaa
cacatcatcg	gccccacgcc
gnccctcttg	cgaggacatt
caaggagggt	gcattgntac
tgaacatcac	accacccgat
catgcttggc	sacaaggang
gtcgaatccc	aggaggagge
cagcgtcatg	gtcaactabg
ggctgccggc	aggaagtcaa
gaccaatctc	agcgccaact
cctcggtgtc	cccgtagcaa
tcgaagtacc	ccgaccgcat
ctgangnctt	accctggctg
ttgcttgana	tcacgcttac
tacta	cttaccttgg
	anagtcccc
	ttgcttgana
	ntctgacett
	ttggcttggc
	tntactaatc
	tacta

<210> 3859
 <211> 406
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

<400> 3859	
nnggggggac	gctgnagnca
tggagggaag	ctgaaatcac
gaggcgcgca	tcaatgcggg
tgcagcagtg	ccaggaaacg
gagtttgagg	acgcgcgctt
gcctctgggt	tccatttgat
tacgtgtatt	taontggatg
	agatctctat
	atctttctac
	atgaga
	aaagtaggcg
	gcctagcagc
	ccgcggccac
	ggagtcagac
	gatgcagaaa
	tgtggagacg
	gcatatatac
	atgaga

<210> 3860
 <211> 1090
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(1090)
 <223> n = A,T,C or G

<400> 3860	
ggaaaacgac	aaaactttct
atggtccggt	acgtgctca
tacctgcgtg	tcagcttcaa
ctgcagcgcg	cccttacctt
cgtcgggtacg	ctggcagcac
	cggtccgtgc
	gctcagggca
	agcagtgagg
	tgtcagcaag
	ggcggtaaga
	gogcccgccg
	cgggggctct
	aggccatcaa
	cgccatgaag
	tggtcccatg
	tgtcagcaag

gctcgttggc	ccgtcaagtc	cgccgagttc	cttctcgacc	tcctgaagaa	cgctgaggcc	360
aacgccgaca	ccaaggggtct	cgacaccggc	aacctcgttg	tcaagcacat	ccaggtcaac	420
caggetccca	agggccgcgc	cacctaccgt	gtcacaggtc	gtatcaaccc	ctacatgacc	480
aacccctgcc	acatcgagct	catccttacc	gagggtgagg	agaccgtcgc	caaggggtccc	540
gctgtcaagg	aggtccgcct	cagctcccgc	cagcgtgggtg	ctcagctccg	ccgtgctctc	600
attgagggcat	aagcgggtgtg	tgggtgtcgg	gggaagtgtg	aagtgggtcag	aaactgaatg	660
ggaatgccgg	agtttgctgt	tgtacggatc	caatacctgg	tcacggaagg	aatacaaaaag	720
aaattattac	ttttttgaca	aatggaaaaa	attcgaaacc	acccggcgag	aatgatgatg	780
gtgatgatga	tggtttctct	tatgctctat	gcagagacaa	catctttcct	ttagacattg	840
atctcgtttc	accccccgga	gattcggttc	gactggataa	ttttcctttg	cagccccctgg	900
tcattgagctg	tggcggtctg	ttaaggagtc	cagggaaaat	attccttcat	tatagtggat	960
actacatgga	tggcgtgcat	cggtacggct	ggkttcggac	attctcctac	ttcaggacac	1020
ttttgcgagc	gktttaattca	tgatgggata	cngaattcat	tttctttcat	gaagttgtaa	1080
ggaaaaaaaa						1090

<210> 3861

<211> 808

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(808)

<223> n = A,T,C or G

<400> 3861

gccagccca	ccggcaagtg	cggtgtcatc	atcacccggc	acaaccgcag	catgtgcacc	60
caccttgctg	ccgccaacga	gtacaagatc	gagcacttga	agcagcctca	cgtctggtct	120
ctcgttgaga	aggcccagtt	ctactacgtt	ggtgggtttcc	accttaccgt	ctgtgttctt	180
gccatccagg	ccctcgggtga	ggaagctgct	gctaagaaca	aggtcttcat	gtcacaacctc	240
tctgtctcct	tcattgcccc	gttcttcaag	gaccagctgg	acagtgtcct	cccctacacc	300
gactacacct	tctgtaacga	gaccgagggt	cgtgctttct	ccgagagcca	cagctggggc	360
accgacgatg	tcgtcgagat	cgccaagaag	ctggctcagc	tccccaagaa	gaacaccaac	420
cgcccccggtg	tcgccatcgt	gacccagggc	acctcccca	ccgtcgtctg	caccgttaag	480
cccaacggcg	aggtegaggt	caaggagatc	cccgtccgcg	agatcccca	gagcagcatc	540
aacgacacca	acggtgccgg	tgacgccttc	tgcggtgggt	ctgcgccggt	atctccaaag	600
gaagtccttc	gaggacagca	tcgacatggg	ccagtggctg	cttccctcaa	catccaagag	660
ctygggttget	ccttccccnt	ccccaaagcaa	gcctacaccc	catcaaccgc	tcctaaacat	720
ctncaacaaa	ctcaactttg	ggatcctttg	agccataact	ggataacntt	ttccctcatc	780
taaaaaaatt	tcctttttca	aaaaaaaa				808

<210> 3862

<211> 496

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(486)

<223> n = A,T,C or G

<400> 3862

aagatgtctt	ccgttgccctg	catctttctgc	aagatcatca	aggggtgatat	cccttctttc	60
aagctcttcg	agagcgacaa	ggtcttttgcc	ttcctcgaca	ttcaacccct	tagccgtgga	120
cacgtctctg	tgatccccc	gttccacggg	gccaagctca	ccgacatccc	cgacgaagat	180
cttcaggaaa	tcttgcccg	cgccaagaag	atcgccaagg	ccaccggcgc	cgaggacttc	240
aacgtctctc	agaacaatgg	tcgcatagcg	caccaggtag	tcgatcatgt	tcacttccac	300
atgatccca	gcctaaacga	gaagggaagg	ctcggtatcg	gctggccgct	caggaatccg	360
atatggacaa	gctgaaggct	ctgttcgagg	aaatcaaggc	taagatgtaa	aagtgtcgta	420
gtacagatat	agcaagtgtct	acagctgcgt	ctaantacat	accatgtgct	attatcaaaa	480

aaaaaa

486

<210> 3863
<211> 515
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 3863	
gaccaggtca ggtcgcgagc ggaaagctgc tcgccatcag acttgctenta ttgctcggac	50
atggagccgt tgcttgccgc gtgacctctg ccagcagcgt gcccggcacc tgtgcggcca	120
cattctccat tggtaacctac agcagtgtag ctgtcccttc gtggccgaag tctcgtggct	180
actggcgcca ccactacgac ggctacccca ctggatccgg cangcgtgac ctcgaccaag	240
caagaccacc gcgactgcta tcaagaccag caccagtacg tcatcaacct cctgtaccac	300
tcaccaccgc gttgctgtga ctttcgatct gacaactaca ccacctacgg cgagaacatc	360
tacctggcc gatngatctc tcanctgggt gactgggaaa ccancgacgg ataactctga	420
gtgctgacaa gtacacttca agcaaccgct ctggtatgtc actgtgactc cgccggctgg	480
taatctttgg tacaantttc cncattgaga cgata	515

<210> 3864
<211> 630
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(630)
<223> n = A,T,C or G

<400> 3864	
atcctctctt atctccttct gacgttttct tcctctccca taacacctca ttcacaatgt	50
ctgctcctgc tgctttctct gacatcgcca aggcggccaa cgatctcctg aacaaggact	120
tctaccacaa cagcgcgcgc aacctcgagg ttaagtccaa ggcccccaat ggcgtcacct	180
tcaacgtgaa gggcaagtcg gcccaagagg gtcccattgc tggctccctc gaggccaagt	240
acgtcgacca gcccaactggc cttaccttca ccagagcttg gacctgccc aacgcctcgc	300
acaccaagct cgagctcgac aacaacatcg ccaagggtct caaggctgag atcctgaccc	360
agtacctccc tggcaagcag tccaaggggt ctaagctcaa cctctacttc aagcagccca	420
acctgcacgc ccgtgccttc ttcgacctcc tcaacggccc ctccgcaact tgcagctgt	480
tctcgcccaa gagggtctct cgtcggtgct gagggtggct acgagctcag aaggccgnca	540
tcaccaagta ctccgtgcc gttggctaca gcgttcccca gtacttccgc tgcattccgc	600
gtggcaacaa cctgacctt tnttcggcag	630

<210> 3865
<211> 483
<212> DNA
<213> *Aspergillus niger*

<400> 3865	
gagacgactc cggagccttt acgacaacca aaccggacag ccaaagaaat ccgtcaagat	50
ggtcaagaag agggcgacaa acggtcgtta caagaaaggg ccggyccacg tcaagcccg	120
gcgctgctcc aactgcgcct gctggaactcc caaggacaa ggcattcaaga gattcaccat	180
ccgcaacatg gtcgagtcgc ctgcacatcc tgatatctcg gacgcctccg tcttcaacga	240
ctacgcctgc cccaagatgt acctgaagct gcagtactgc gtctcctgcg ctatccacgg	300
caagattggt cgtgtccgct ccgggaagggt cgtcgcaacc gtgctccccc tctcgtatca	360
ggtcaacaag gatggcaaga actgaacccc cctcaagccg ccaaggctat gtaagggaag	420
aatgacaacg atttcaaaaga gataaagaaa aatgggaatta gtttaaggggc ttaaaaaaaa	480

<210> 3866

<211> 636

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(636)

<223> n = A,T,C or G

<400> 3866

ttctaagcct	gagaacaagc	acgtccctcaa	gtccttcaac	ctcactggca	aggttgctgc	60
cattactggc	ggcgcccgag	gtatcggact	agaggtctcg	agggctctcg	cagaagctgg	120
tgcacaacgtg	gcccctgattt	acaactcgtc	ttaaagctgca	gaagcccttg	ccgaagagat	180
ggcgcccgag	aataatgtca	agtcagctgc	ctataaagct	gatgtcggaa	atcaggagga	240
tattgagagg	gtaatccagc	agattgcttc	agactttggc	aagcttgata	ttatcgtcgt	300
gaactcgggg	gtcacttcca	atatcgcggc	agaagactac	accaccgaac	aatggcgtga	360
catcatgaag	gtcaatctag	atggcgcat	ttatagcgcg	caagcggctt	ctcggatctt	420
caagcaacaa	ggacatggaa	atgtaatctt	cacagcctct	gtcagtgcga	cattgggtgaa	480
tgtgcctcag	aagcaagctg	catacaatgc	ctccaaagct	ggggtcgtgc	aaatggcaaa	540
atgtctgtct	gttgaatggg	ttgantttctg	ccgggtcaac	tgtatttccc	caaggttcaa	600
ttgccacaan	aaattctgga	tatccaacct	ctggga			636

<210> 3867

<211> 416

<212> DNA

<213> *Aspergillus niger*

<400> 3867

tggtgctggg	cttgcctagca	gtcgcgggtgg	tcttgctggg	cgaggtcgat	ctctcagctg	60
ggtgactggg	aaaccagcga	cgccatagct	ctgagtgcgtg	acaagtacac	ttccagcgac	120
ccgctctggg	atgtcactgt	gactctgcgc	gctggtgagt	cgtttgagta	caagttttatc	180
cgcattgaga	gcgatgactc	cgtggagtgg	gagagtgatc	ccaaccgaga	atacaccggt	240
cctcaggcgt	gcggaacgtc	gaccgcgacg	gtgactgaca	cctgcggtag	acaatcaatc	300
catttcgcta	tagttaaagg	atggggatga	gggcaattgg	gtatatgatc	atgtatgtag	360
tgggtgtgca	taatatagtg	aatggaagcc	aagtcattgtg	attgtaaaaa	aaaaaa	416

<210> 3868

<211> 633

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(633)

<223> n = A,T,C or G

<400> 3868

gtggtaactcc	tgcatttgc	gttccggttg	tttagatcgt	cgccacatc	ccctgtgcgc	60
catccctcgc	agcccgctgt	cgcattatcc	tcaaggcaatc	accacaatca	acacaacaaa	120
cagtcattggc	ttcgaccaac	tacaagggaag	ccttctctct	cttcgataag	cgtggtaaccg	180
gcaaggctcgc	gtctcagctg	ctaggcgacc	tcttgccgpc	atgcggtcag	aatcctaactt	240
tggcggagat	cgcagatttg	qagaaqtcca	tccgtqaaqa	ctttgacttc	gagtcgtrct	300
tgaaggctcc	caaccgccc	ggaggcttcc	gtgacccctgg	cgagcccgaa	gaataactgcc	360
gcggattcca	ggtgttcgac	aaggacctga	ctgggtttat	cggtgtggga	caactccgat	420
acatcctgac	gaaatctcgg	gaagaagatg	tccgatgang	aggttgacga	actactcaag	480
ggcgtcgaca	ccaactccgg	cgagatnaac	tacaccgacc	tcgtccgcac	atcctggcca	540
actaaacgac	acacgatacc	gataccctcc	tgacgttctc	qatgaattct	gttacgaage	600

gaacctccta caaccgttgc cngagttgaa ngc

633

<210> 3869

<211> 395

<212> DNA

<213> *Aspergillus niger*

<400> 3869

aagtcacagc	cacggcggtg	ggagtggtag	aggaggttga	tgacgtactg	ggtgactggg	60
aaaccagcga	cggcatagct	ctgagtgtctg	acaagtacac	ttccagcgac	ccgctctggt	120
atgtcactgt	gactctgccg	gctgggtgagt	cgtttgagta	caagtttatc	cgcattgaga	180
gcatgactc	cgtggagtgg	gagagtgac	ccaaccgaga	atacaccgtt	cctcaggcgt	240
gcggaacgtc	gaccgcgacg	gtgactgaca	cctggcggtg	gacaatcaat	ccatttcgct	300
atagttaaag	gatgggggatg	agggcaattg	gttatatgat	catgtatgta	gtgggtgtgc	360
ataatagtag	tgaaatggaa	gccccaaaaa	aaaaa			395

<210> 3870

<211> 636

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1) ... (636)

<223> n = A,T,C or G

<400> 3870

ggaggcccca	ctggctgatg	gatacacgaa	cctgagcgct	atggagatcg	accctaacgg	60
aagtattcaa	gatctcctgg	ctagtggtag	aggccaaggc	gacgaccctc	tgtctggtat	120
gggcgttggt	ggaatgatgc	aggaccttgc	gttcagtatc	cccgtgtgtg	atgaagctat	180
gtcctttgcc	gaagtccctga	agcagggtcaa	gtcgtctgtc	tacgaagtta	ttgtgtttga	240
cactgcgcgc	accgggtcaca	ctctccgctt	cctccaatcc	cccactgtct	tagagaaggc	300
tctgcgcaag	ctgtgcgcgc	tgctgtctca	gttcgggtccc	atgctgaact	cgattcttgg	360
ttcccggtgg	gggtctgcct	ggcggtcaaaa	acattgatga	attgttgcaa	aagatggagt	420
cgctgangga	gacaatcagc	gangttaact	cgcagttcaa	aggacgccga	tctgactanc	480
ttcgtctgtg	tctgcaattg	cggnantcct	gtccctctaa	gaaaccgagc	gcattgatcaa	540
gagctcacia	agctataaca	togatancca	tgccaattgt	ggtcaaacaa	ctcctgttcc	600
caagcaaaa	caaccaantg	cgagcaaatgt	tatgca			636

<210> 3871

<211> 430

<212> DNA

<213> *Aspergillus niger*

<400> 3871

gctatgttac	gagaacaagg	acatgctaag	tgccggtatc	atcatcgccg	gatacgaccc	60
gaagcacgga	ggtcagggtg	attcgatacc	gttggggcgg	tctcttcaca	agcaaccgtt	120
ctctatcggc	ggatctggat	caacctatat	ctatggctac	tgtgatgtc	actggaggga	180
gaacatgaca	gaggaggaag	gcataaactt	cgtccgcgga	gcactgcaag	aagcaatcaa	240
gtgggatggc	agttccgggtg	gtgtaatccg	actgggtggtg	ctgacgtctc	ggggcgccca	300
gcgacacctc	tacctgccag	acacgggcta	caccggcccc	ggcgttacca	attaacgaat	360
gtatctatac	gggacgatga	ttttaattgt	tggtagctgc	taaacgagct	atttcattca	420
aaaaaaaaaa						430

<210> 3872

<211> 468

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

<400> 3872
 ccaaccagat caaggacttg ggcaagcgcg cccgcgacaa caagctcaag cccgaggagt 60
 accaggggtg cactttcacc atcagcaaca tgggtatgaa ccctgctgtt gagcgcttcg 120
 ccgccgtcat caacccccct caggccggta tcctggccgt tggtagcatc cgcaagggtg 180
 ccgttcccgt cgagactgag gagggcacct ccgttgagtg ggatgaccag atcatcgta 240
 ctggcagctt cgaccaccgt gtcgtcgatg gtgttgctcg tggcagtggt atcaaggagc 300
 tgaagaaggt tgttgagaac cccctcgagc ttcttttgta agctcttccc tacactgtga 360
 gaccccgacc ggcgcaatat actaactatc tacgatcgga gtttcttttg gnettggtgt 420
 aatatgtatt aaaatcaatt gaatgtttcc tcctttcaaa aaaaaaaa 468

<210> 3873
 <211> 478
 <212> DNA
 <213> Aspergillus niger

<400> 3873
 ccgacctcaa ttaccgccct aactacaata attccgagga ctcgaccgat tttgcaaccg 60
 ccaaagggag aaattaccac caaggtcctg agtgggtttg gcagcgtggg tacttccctc 120
 gcgccttttt gcacttcgac cttgctcgca ggacgacacc ggcggaacgg acggagacat 180
 accaacagat tactcgacgc ttggagggtt gcaagcgggc tttgagggaa agtccatgga 240
 agggcctttac cgaactaacg aataagaatg gtgcctactg tgcagattcc tcaccacccc 300
 aagcatggtc agctggatgt ctgcttgatt tgtattatga tgcatacaaga cattcacaga 360
 gctgactagc gtgttggtga tacaattttc tatcttgatc tagcgaagat catcatgagt 420
 tcgaattaga tatatgtttg tccaaactta agttaatgga aatagctttt atgtgctg 478

<210> 3874
 <211> 639
 <212> DNA
 <213> Aspergillus niger

<400> 3874
 ccaagacagc ttcaatctac accttgcccg ttttaaactc tagaggtcag taagaagaga 60
 cttcttttcga caagtcacga tcataacgct gtttgcttct ctttgagact caaaagtcct 120
 ctcaccact tgccttttcc cactctgcta ccaaaggact atttacttac tgcagtgatt 180
 acgatagtgt ctgccccgct accccgcctt tccagatgga catcgatcta agcagaagga 240
 ataaaaagcc ccgccctttg ctagaatctg aacgggagag attagaggaa ttcattgatt 300
 ctattcatta ttcagccaga tactcagatg accagttcga ataccgccat gtccaactcc 360
 ccataaacat gctcaagaaa atacctgcag actattttga cagttcaaaa ggaacgctaa 420
 aactactgtg ggaggatgaa tggcgtgcac ttggtatcac aaaaagcttg ggttggaac 480
 attatgaagt gcacgagcca gaaccacata ttctctctt taaagcgccc cttgaactat 540
 caagccgcca gtatcacagt aactcgtcag ctggaatact gttgatgcca acctgcccc 600
 gtcgcctctg aaacactaat acaacgaaga ttcaaaaac 639

<210> 3875
 <211> 592
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(592)
 <223> n = A,T,C or G

<400> 3875
 caacaaccgt cgtaactccg tcgtgcctgc ttcttggggc gagacctctg ccagcagcgt 60
 gcccggcacc tgtgcggcca catctcccat tggtagctac agcagtgtga ctgtcacctc 120

gtggccgagt	atcgtggcta	ctggcggcac	cactacgacg	gctacccccca	ctggatccgg	180
cagcgtgacc	tcgaccagca	agaccaccgc	gactgctagc	aagaccagca	ccacgagaac	240
atctacctgg	tcggatcgat	ctctcagctg	ggtgactggg	aaaccagcga	cggcatagct	300
ctgagtgtctg	acaagtacac	ttccagcgac	ccgctctggt	atgtcactgt	gactctgccg	360
gctggtgagt	cgtttgagta	caagtttatc	cgcattgaga	gcgatgactc	cgtggagtgg	420
gagagtgatc	ccaaccgaag	aatacacogt	tccccaagcg	tcggaacgt	cgaccgcgac	480
ggtgactgac	acctggcggg	tanacaatca	atccatttcg	ctatanttaa	aggatggggg	540
atganggcaa	ttggttatat	gatcatggta	tgtantgggg	tgtgcataat	aa	592

<210> 3876

<211> 609

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(609)

<223> n = A,T,C or G

<400> 3876

gcccggatcc	gtcgtctctgc	gtgaaatccg	tcgttaccag	aagagcactg	agctcctgat	60
ccgcaagctg	cccttccagc	gtcttgtccg	tgaaattgct	caggacttca	agtcggatct	120
ccgcttccag	tcctcccgca	tcgggtgctct	tcaggagtcc	gtcgaggcct	acctcgtctc	180
cccttccag	gacaccaacc	tgtgcgccat	ccacgccaaag	cgtgtcacca	tcagtcctaa	240
ggacatccag	cttgcccgcg	gtctccgtgg	tgagcgtctc	tagatttact	tctaattgagt	300
cgattctttt	tctggttggg	aaggcgataa	cgggggtttct	ttttctttaa	ttttcatgac	360
tactggcgat	acatgatggg	tttgcgaaatt	ttaacggggt	tcggcactgg	gttttcgtta	420
tttcttgcctg	cgcaataaat	agtagctgcc	gattcagcgg	ctgggtggaa	ttgatcatgg	480
ggatgcattc	gaatatgtac	attaaagaaa	gctttttattc	gacgtgactt	ccttcggggag	540
cgccaccgga	tggcatagac	gcgaaatgca	agtatctatg	gaacaatnca	accgggtttg	600
agaatcgcg						609

<210> 3877

<211> 576

<212> DNA

<213> *Aspergillus niger*

<400> 3877

agttcgcgca	cgaaaacttc	aagctgaggc	atacgcgcaa	ggggctcctg	agcatggcca	60
acgccggcaa	ggacaccaac	ggctcccagt	tcttcatcac	caccgttcc	acaccttgcc	120
ttgatggcgg	ccatgtcgtc	ttcggtgaa	tgctcgaggg	ctacgagatc	gtcgtcaga	180
ttgagaacgt	gccccagggc	cgttctgaca	gaccgcgtga	gactgtcaag	atcgtcaaga	240
gtggagagtt	ggagttctgag	gacaaaggctg	gagaaaaagg	tagnagccac	gaggagctgt	300
agacctgttt	cctgagggtc	cggcctgctt	ctcgataaga	ctgtgatgtg	ctgacgcctt	360
gtaaagaaac	gagctccgaa	gaagagtcac	aaccttcagc	aattgctgtt	attccttctc	420
caaccccttt	gcctatgaca	tctgataacg	ctccttatat	tttcccga	ttcgcaacgc	480
ttgccattgt	tgtcgggtctc	ctggttgtcc	tggtcgcgac	cagcttcaag	ggagaacaag	540
agaaggtgaa	agaagtattg	ttgatagaaa	aaaaaa			576

<210> 3878

<211> 292

<212> DNA

<213> *Aspergillus niger*

<400> 3878

acagaaggca	tttatgatgg	tgcgtgggtg	gtctctatct	ctgtacggcc	ttcagggtcgc	60
ggcacctgct	ttggctgcaa	cgctgcgga	ctggcgatcg	caatccattt	atttccttct	120
cacggatcga	tttgcaagga	cggatgggtc	gacgactcgc	acttgtaata	ctcgggatca	180
gaaatactgt	ggtggaacat	ggcagggcat	catcgacaag	gtaaaattgcc	cctttatcaa	240
aaaaaaaaaa	qqaataacag	aaqaaaaata	aaataaaaaa	aactctagtc	ct	292

<210> 3879
 <211> 346
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 3879
atcaccccca tgggtggctt cgttcactac ggtgaggtca agaacgactt cgttctcctt      60
aagggttccg tccccggtgt taagaagcgt gtcattgaccc tccgcaagac cctgtacccc      120
cagaccagcc gcagggccac cgagaagatc gagctcaagt ggatcgatac ctccctcaag      180
ttcggtcacg gtgctttcca gacccccgag gagaagcgtg ccttcattggg taccctcaag      240
aaggacctgg agacttccgc ttaagggtgt tatggaaatg gttcgggtgta gtgcaaatta      300
tattacgttt caataaaagc gaagaatacc tttcaaaaaa aaaaaa      346
```

<210> 3880
 <211> 629
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

```
<400> 3880
ctccctatat ttttcgcca aaccaccgc gctctgtttc ttctctttct tcttctgttc      60
cctcaatcgt atctcagtga cttcattggt ataactctcaa atccatcaaa atgtcttccg      120
agcagacctt cattgccatc aagcccgcgc gtgtccagcg cggactcgtt ggccccatca      180
tctctcgttt cgagaaccgt ggcttcaagc tcgttgcctc gaagctctgc tcccccgcc      240
gtgagcacct cgagaagcac tacgttgacc tcaaggagaa gcccttcttc cccggtctcg      300
tctcctacat gctctctggc ccatctgcgc catggtctgg gagggcccg gacgccgcaa      360
gaccggccga acaatcttgg tgcaccaacc ccttgccctc gccccggacc atccgtggtg      420
actacgccat cgacgtcggc cgcaacgtct gcaagggtccg actccgcgag aacgcccaga      480
aggagatggc cttggtctcc ccagcgagct caccgtggaa cactcccagt tcgactggat      540
ctacgagaag cctaaatatt ccggcaagtc gcgcctgacg ctgattccgn tcgagttgag      600
atnanagacc tcggtgaata aactcaaga      629
```

<210> 3881
 <211> 604
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(604)
 <223> n = A,T,C or G

```
<400> 3881
gcacaaqaaca acaacgcaag ctggtttgaa tttgcaagag atgagcgaga agcacatgat      60
ttatgggtctg cgggaaaaaa atcgtatggg agtatgctgg cgttaagaga gggaggatcc      120
gaagtatggt caaccgacgt ttccgtaccg atctctagat tgccagacat tattgaaatc      180
tccaagaaag aactcgatga ccttggaatc tttgccaagta tctcggggca tattggagat      240
ggtaacttcc acgcaagcat cttatatgat cgcactatcc aagaagaaaag ggagcgagta      300
gaaaagggtt tgtacgacat ggttgatcgt gcattggaaa tgggaaggctc ttgcactggt      360
gaacatggtg tgggattggg gaaagaaaga ttggttgaa gaaggacctg gcccaactac      420
gatttgaatt atgctcttat caagaaagnt tttcgaccca cacttggnta ttgaacctgc      480
aggacttcga ttttgagaac aacatagatg gacatctagc ttttaactgag gntgcttttg      540
ccagcattac tttggtggcc gaatatgnen tttaaaggtn gaattctagna ctttgnnttt      600
tacc      604
```


<210> 3882
 <211> 614
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 3882
 aacaagtctc tgtccaagaa gctttgcatt gaggggtgttg gaggtgtcca cgtccagaac 60
 accatgagcg aggaggtcgc tgtttgccgt accgactacc ctggtaccga atccgagacc 120
 atccctctcg ctgtcgctgc caacagcgaa cttcaccccc tgacttgccc caacggcgcc 180
 acctactaca agtgggagaa ccagaccact tccgctcagt actatgttaa cccaagggt 240
 gtttccaccg agastgggtg ccagtggggt aacgggcagcg ctccctatcgg taactgggt 300
 cctatcaacc ttggtgtcgg ttacaacgat ggcaagtggc ttctctgtt ccagaacagc 360
 cctaccacca ccaccaagct tgacttcaac gtgaagatct cgggtgacaa cctcagcggt 420
 tcttgcaagt acgaggacgg tacctctac tccgagctcg gcttcaacga ctccggttgc 480
 actggttgang gtctctccgg ttccgncacc tatgtcttct actaangtag tccagggccc 540
 gacacccttt cgcgctcgnc gtccgattcg gntcgcgtcc gctgatttgg aatcgaaccc 600
 cgtcggctcg caaa 614

<210> 3883
 <211> 520
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(520)
 <223> n = A,T,C or G

<400> 3883
 gttttctact cctacactcg atcttaccga cgtcgtcgac acatccctcg agatacctca 60
 tacccttcga ttctcgatt tgagaatctc gattccacac cgtcaaaatg gtcaagactt 120
 ccgtcctcaa cgatgcgctt aacgccatca acaacgccga gaagagcggc cgcgcgcagg 180
 tcttgatccg ccttctctcc aagggtcatca tcaagttcct ttccgctcatg cagaagcacg 240
 gctacatttg cgagttcgag gaggttgacg accaccgctc cggcaagatc gtcattccagc 300
 tcaacggccg tctgaacaag tgcggtgtca tcaacccccg ntccccgttc agctccgtga 360
 cctcgagaag tgggccactc agttctgctt tccgtcagtc nggttacgtt gtctgacacc 420
 tccnttggtg tatggaccac gagggaggtt gccgaagcac gttgccggca actcctnggt 480
 tctctactaa aaagttaccc tgggaacttt tttgatggca 520

<210> 3884
 <211> 620
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 3884
 tgaattgtgt gttttcgtgt gogtttgoat ctattagaat tgtttgaaaa tgaaggetta 60
 ctggtacgat aacaagccgg gcgaccagcg cgaacccccc gacgacggtc gtcccgtcga 120
 cgaagcttac ctccctctc tgggtgtctt ctacaagtac tgcccagca tccaggacgt 180
 cgacgccctg ccgcgcgagc gcggatacaa gaaccgcgat gaggtcaccg tgtcccccac 240
 gaccatgggc gatgtgtacg aggagaaggt gaagatgttc ttccacgaac atctccacga 300

ggacgaggaa	atccgctaca	tccgggatgg	tgagggatac	tttgatgtcc	gtggcaagga	360
ggacgagtgg	gtccgcatta	agttggtgaa	ggatgatctg	attattctcc	ccgcgggtat	420
ctaccatcgc	tttacgacgg	atgagaagaa	ctatgtcaag	gctatgcgtc	tcttccagga	480
ggaacccaag	tggactccct	tgaaccgtag	caacgaactg	gatgagaacc	cgcaccgtgt	540
gtcctacctc	ggtaatctgg	ggtaangctg	ctgttgctgc	tgtttaaaat	aaatctgggg	600
ggtggcaatg	taaancttga					620

<210> 3885
 <211> 619
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

<400> 3885	
gataccaatg	atacccgcca
tgatcggtcct	gattgcaaac
agctgggagc	aggtctcgcc
tcgttggtga	cgcaggtgtc
ttttgattct	cattttcgtc
tgaactcccg	ttcgaggatc
aatggcccaa	gtgaacaccc
aacagagccc	gggttgctca
cagactttat	ttgccgacaa
tggggagaag	tggattgctg
gctttctctt	tcacccaac
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	619

<210> 3886
 <211> 690
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(690)
 <223> n = A,T,C or G

<400> 3886	
ggcgattccc	cgaagagcgc
agaagatcca	cgagtaacct
ttcccaagca	tggcgacatt
tgatctcccc	cggctacgtc
cccccgaggg	tcttgactac
ccacccacat	caagcagcag
agcgtgagcg	tcgtccccgt
aggagggcgc	cgcccccggc
gtggtgctcc	ctcctcctaa
gttgccggty	tggtttgaac
aaaaaagaag	ttatgccaa
tqatttcatg	actcaaaaaa
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	690

<210> 3887
 <211> 656
 <212> DNA
 <213> *Aspergillus niger*

<220>

<221> misc_feature
 <222> (1)...(656)
 <223> n = A,T,C or G

```
<400> 3887
gggcaagtga ttccttttgcg ttgaggcctc tttagaaccg ctacacacgt taaaccacaca      60
tttttaaaca tgtctgagac ttctgccgcc tggggccctc gccgatgagg gccttaccca      120
aaacctcctg gaccttgctc agcangccgg tcactaccgc cagctgaaga aggggtgctaa      180
cgaggccacc aagactctta accgtggtac ctccgagctc gttatcctcg ctgccgacac      240
ctctccctc gctatcctcc tccacatccc cctccttgct gaggacaaga acaccctta      300
tgtcttcgtg cccagcaagc ttgctctcgg gcgtgctacc ggtgtttccc gccccgtgat      360
tgcgggcagt atcaccacca acgaggccag tgacctccaa ggccaagatn aagaccatca      420
aggacaangt cnagagactg atgatctaag cgttgggtcct gttgtggnaa ccctccggag      480
gattatgcct ccgcggggtt ctaagaagga atctaattgg acttcnggag tttggcgggc      540
atgacagacg angttttcgc ccanaagtgc cgaaaaacaa gttgtcgatg aatggggttg      600
attgctaacg ggtggtccaa attgggatgc tgttggggtt ttgtgencct gggaat      656
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<210> 3888
 <211> 802
 <212> DNA
 <213> *Aspergillus niger*

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<400> 3888
caactcccag cggcagcccg cgagacgacg acaagatggt cctcgcaaag aagcacgtcc      60
ccatcgtcaa gaagcgcacc aagcgtttct ggcgccacca gtccgaccgc ttcaagtgcg      120
tgccggagtc atggcgcaag cccaagggtta tcgacaaccg cgtccgtaga cgcttcctgtg      180
gcaacatccc catgccctcc atcggtctac gatccaacaa gaagaccaag cacatgatgc      240
cctccggcca caaggctttc ctcgctccaa accccaagga cgttgagctc ctggttgatgc      300
acaaccgcac ctacgcctcg gagatcgccg cgcctgtctc tcccgcgaagc gcgtcgacat      360
catcgccaag gccaaaggctc tcggcgctcaa ggtaaccaac cccaagggcc gcgtcaccac      420
cgaggcttaa atggatatgg aatgaatgta aagaaagccc aagaaatttc atcattttca      480
ttttcatttt tcattaaact ctttccactt ataccaacca aatgggaacc aaccactttc      540
gggggacata aaaaagcagc aacagcaact acttcaactgt ggtagtggag tggcttgttt      600
gttggtgattt gggacttgcg gagccttgaa tcatcgcatc ttctaattgt ggctttggct      660
ttgacgttga cgacgtatgt gctggattgc agcgtttatg atgattgatt tacatgcatt      720
tgggtctttt gtcattggcg ttgtggtcgt ggctggtgct gccagtctgg gaataaaaat      780
caaaatctta tgaagaaaaa aa      802
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<210> 3889
 <211> 600
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(600)
 <223> n = A,T,C or G

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<400> 3889
gagtaaatcc tggatagtggt cgtcgaagcg gtgggtctctg ctttcaccag ctggggaactt      60
tctacggctg gattcatctc ctgggttctc atccccgcct tgcagttcat ctggggcggtt      120
tgcgctgctg atacctggca ataactctcg catcgccgca tgcacctgaa ccgggtggctt      180
tatgtaacct tccattcccg ccaccatcgc ttatacgttc cctatgcttt cgggtgctctc      240
tacaaccatc ccgttggaag gtctctctct gatactgctg gcaccggcgt cgcattctctg      300
acagcccgga tgtggaatcg ccagagcattg tgggtcttnc ttttccacca ttaagacggt      360
tgacgateac tgcggctatg ctttctcttg gatccgttga acattttacat acaacaatgc      420
cgttaccatg acattaccac caaactgggg catcaagacg aacttttgca gctttctttn      480
aatctgggat cgtgggtcgg nacctatggg aaggcnatgt gaantacctt cgaacgttcc      540
ggaatccggt anaaacantt ggnatgatgt aantccgccc aattcggcct gaactcggan      600
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<210> 3890
 <211> 625
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(625)
 <223> n = A,T,C or G

<400> 3890
 atcacaacaa ctteatcaac aattccttcc tcttcccaca aaataactca aaccagtcctc 60
 aacacaatgt cctggtacca aaaatccttc actctgcctg cccgctcgcg cggcagctac 120
 ctcatcaccg accacgtcct cgagcaactc cccgagatca agaactacaa ggtcggcatg 180
 ctgaacctct tcgtgcaaca caccagctgc gcgctctccc tgaacgagaa ctgggatgac 240
 gatgtgcgag cegatatgag tgatgcgctg gatcgcatcg ctcttbatga taagaagggg 300
 aacctgtata nacattcggc tgagggggag gatgacatgc cggctcatat caagtcagcg 360
 ttgattggcg cttegggttac gattcccatc tccaatggac gcttggctac gggtagctgg 420
 canggtatct gggtacttgg agttcagggc catgagacac tcccgggagg tggttgctac 480
 gattcaaggt gagaaggctt gacttaatgc ttgtgggtgg tagangtggg ggtggtgagg 540
 gaagtgcggt tgtgantgtg atgccaatg ttagagatat aatgtgtctg anttgggtga 600
 gaaggatggc gtacgtttgg gataa 625

<210> 3891
 <211> 613
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(613)
 <223> n = A,T,C or G

<400> 3891
 gcgagatgat ccatccaaag gtgacatgca taatcgacaa gcactgtccc tggggatggt 60
 atggaagagt ctcaaagact atgacctctg gccgatatat atcatcgga tcatgttcga 120
 aatcccgact tcgccaccaa agtcttattt gacctgtctg ctgaaggcaa tcggcttttc 180
 cacattccaa acgacctctt tgtccattcc cgtgaccgtc ttccgcgcta tcaatcttgt 240
 cctcgtcgcg ctcttatctg agttctgggg acaaactctca attgtgtgcc ttctaacaca 300
 gttgtggctg ctccactcc tcattgtact ctacacatct gccggaagcc tctccaactg 360
 ggggctatat gccgtctcgt tcattctact gggctggcgg aatcctcaag ctgccaggt 420
 gagttgggtg tcgcgattaa gcaacagtgt gagaaccaga gcagtcaagt gcagcaattt 480
 tcaatattat gattcaactt tctggaattg cgtcttcaac atttaccggt cggatgacaa 540
 acctttctac cgnccaggaa atagacaact gatcgcgac aatgttgcca ctatggcatg 600
 taccocgttg gca 613

<210> 3892
 <211> 628
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 3892
 gtgcacaagg gcaagtcggt tggaaccatg cgtcttggca gacacccctg cgtcttccag 60
 gagaacaccg agtggctctg tctgcggagt ctgtacggac cctccgtctc gcagattgag 120
 gaggccacc gccatcgcta cgaggtcaac cctgagatga tcgaqcaqat cgaqaaggcc 180

ggctctctcct	tcattggaaa	ggacatcaag	ggtgagcgta	tggagattgt	cgagatcaag	240
gaccacccct	ggttcgtggg	tgtgcagttc	caccccgagt	acctcagtcg	ggtcttgagc	300
cccagccggg	ctttcctcgg	tttctttgcc	gccgctgcgg	gatgcctcga	tgaggtctcc	360
aaggcagttg	ttcagggtea	gcggagcatt	ggccgcaagc	aatagatctc	tttggcggag	420
gagcgggtatt	ttgctggagt	tctggtgaga	aggatactgt	tggcgggtaca	caccgtctgg	480
gtttttctgn	tgtctgtctg	gggcagggtc	tgagcgctgc	ctcatgccgt	tgaggcagcc	540
ccaatctata	cgacttcagg	cccgatatgg	angatcgctg	gaggataccc	tttgacaaa	600
acctgaacgt	ncccaagtcg	atcangta				628

<210> 3893

<211> 609

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc feature

<222> (1)...(609)

<223> n = A,T,C or G

<400> 3893

cttcgcaccc	tcctcttttt	agatctccta	aataacacat	ccgtcaaaat	ggccgacttc	60
cagagcctcg	cacagcaatt	tgtgcaattc	tactaccaga	cctttgacgc	ggaccgtcag	120
cagctggccg	gtctctaccg	cgataactct	atgctcacct	tcgagactgc	ctcccagatg	180
ggtgttgccc	ccatcatgga	gaagctgacg	agtcttcctt	tcagaagggt	ccagcaccag	240
atctccactc	tcgatgctca	gccctctggt	aacggcagca	tcctcgtcat	ggttacgggt	300
gcccttatcg	tcgacgagga	gccccgccca	tgaactacac	ccagaccttc	actctcaacc	360
ccgaggctgg	cagctactac	gtcttcaacg	acatcttccg	tctcatcatg	ggttaaattg	420
cgacgcaggg	gattggcggg	gatttgatgt	gacgtgtgtg	atgggtgatt	tangggggccc	480
atggcttgcc	ctattcaagt	aggcagcttt	tatgagatga	agataatgaa	ttaagttata	540
agaggatcga	cacgtgcttt	tggttgctgg	gttnaatcta	ttccttctct	tcattngnaa	600
aaaaaaaaa						609

<210> 3894

<211> 630

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(630)

<223> n = A,T,C or G

<400> 3894

cagagatttta	attctctccc	ctcgtctcact	tcctatacac	cgctttttaag	ggccgttttac	60
gacgaaaggc	cgagtttatg	tcctatgaaa	acctcaagac	cttcgacccc	ttcgccgaag	120
ctgacgaaga	caccggcgag	actaaacagt	ctcaaaaatta	catccatata	cggattcaac	180
agcgcaatgg	tcgtaagacc	ttgaccacccg	tcagggtctc	tcctaagaag	ttcgatcaga	240
agaagatctt	gaaggctcct	aagaagaagt	tcgcctgcaa	tggcaccatt	gtcaacgaca	300
ctgagatggg	cgaggtgatt	cagctgcagg	gagaccagcg	taaagatgtt	caggagttct	360
tgaccgacaa	gaaggagggt	ctcgagctgg	acgcacagac	catacaaggct	cacggtttct	420
aagccagagc	ccatgcctcc	gttcgggtcc	cttcttccag	tctacgttcc	cctcagagcg	480
gtggggtagg	ggagagtatg	tgcccacctg	cccttctgat	gtggcattgc	ggttccggca	540
ctggcagcag	ggttggctcg	ctgatataatt	ggctgntggg	attaccgntt	tttaccggga	600
atactggaat	tgggcctttt	gnccgaattga				630

<210> 3895

<211> 609

<212> DNA

<213> *Aspergillus niger*

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<400> 3895
ccaacttcac aatgagcgcc caggcatact acgagctcta tcgcgggagc agcctcggac      60
tctccctgac cgataccctc gatgacctga tcaacgaagg acggatcgag ccccgactcg      120
ccatgaagat cctctcaact ttcgatcgcg tgatcacaga ggtgctggca gacaaagtgc      180
gcgctcgtct gactttcaag ggacatcttg atacctaccg attctgcgac gaagtgtgga      240
cattccttat caaggacgtt actttcaagc tggataacca gactacggtc tccgcggata      300
aagtgaagat tgtgagctgc aatagcaaga ggctggtga agcctaaggg tgagggatcg      360
tttaccttgc gtcacgggtt gatactctcg ttacctact tctcacact ctttttttct      420
ccttcgcgca cttgctttga taggcgttgt tgaacctata tttcttctgt tttactcttc      480
atgtggattg ctcttttgtg cccgggacat ggcaagttgc ttgatatggg gctttatcat      540
atthttggcg tttcgcgtta gcatatgagg ctgaattatg gatttgctat ggtgctacta      600
gaatagatt                                     609

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<210> 3896

<211> 417

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(417)

<223> n = A,T,C or G

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<400> 3896
aagtcacagc caccggcgaga acatctacct ggtcgggatcg atctctcagc tgggtgactg      60
ggaaaccagc gacggcatag ctctgaatgc tgacaagtac acttncaagc gacccgttct      120
ggtatgtnac tgggactttt gccggttggtg aagtcgtttg agtncaagtt antccncatt      180
ganagcgntg actccgtgaa gtggaagagt gntcccaacc gagantacac cgttcctaag      240
gcntgcggaa cgtnaaccga acggtgactg acacctggcg gtagacaatc aatccatttc      300
gctatagtta aaggatgggg atgagggcaa ttggttatat gatcatgtat gtagtgggtg      360
tgcataatag tagtgaaatg gaagccaagt catgtgattg taatcgaaaa aaaaaaa      417

```

<210> 3897

<211> 606

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(606)

<223> n = A,T,C or G

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<400> 3897
gagaccttgg gcaaggggtac aatgacctg aaccccttcc acacagaccg ccaggtectc      60
tcgcgcgtat cagccgcagg cctgctcacc gtcctgggtg ccatgatcga tgccaagcaa      120
ttcgtctctg ccgaacacca ctacctctc tacttctctc tcaccgccat gtaccacgc      180
ttccttgtea cgtctgacga agacctgcag cctctcaccg tcaatgtccg ggtcgggtcag      240
gctgtggacg ttgttggcag gccgggtcgcc caagaccatc accggctggc aaacacagag      300
cacgccggtg ctgctggcta tggcgaaagt gcagagctcg aagacgagca gtacattcct      360
cttacaagac cctggagggt ctggctatct tgcgcagaa cccaaactggg aaaaattcca      420
ctnggtctaa ggtccttoga cgtgacacga cttgtgggtg actgacaagg ggatatgntc      480
aggtctggat tcatgnatca gaccaatgga aatncaggac cgtatggnata tgtcgactnt      540
nattaaactg tgattggacg gtgacatgta gatgattcag gttanttgnt gaaactaatg      600
aatngt                                     606

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<210> 3898

<211> 483

<212> DNA

<213> *Aspergillus niger*

<400> 3898
 tggccatacc ggtgagcttg ccgttaaggg taggccacca gctacgacga gatcaagaag 60
 gccctcaagg acgcttccga gaacgagctc aaggccatcc tcggctacac tgaggacgac 120
 atcgtctcct ccgacctgaa cggtgacgac cactcctcca tcttcgatgc caaggccggt 180
 atcgccctta actccaactt cgtcaagctc gtctcctggt acgacaacga gtgggggttac 240
 tcccgccttg tcgtcgacct cattgcctac atctccaagg ttgatgccca gtaggaaatca 300
 ggacggcaaaa ctgaattcag aagtgtgctg tgagtgaacg tgattgccga gcgcagacga 360
 ctctcgtgga acccggtctg tggagaagct tgagaaggct ttaactccta gcgtaaaagc 420
 tcatgatgac gtacaattta atgaaatgat acaatgttca tatttcccgt tcaaaaaaaa 480
 aaa 483

<210> 3899

<211> 476

<212> DNA

<213> *Aspergillus niger*

<400> 3899
 gtccgcctga ccattccagaa ccgtcaggcc gcggtctccg ttgtgccctc cgcctcttcc 60
 ctgggtcatca aggcctccta ggagcctccc cgtgaccgca agaaggagaa gaacatcaag 120
 cacagcaagt ccattccctct ggacgagatc atcgagatcg cccgcaagat gcgccaccgc 180
 tctcttgcta aggagctcaa gggtaaccgtc cttgagatcc tcggtaaccgc tttctccgtc 240
 gggttgccagg tcgatggccg cagccccaag gacgtctccg acgacgtcaa ggctggcgag 300
 atcgacatcc cctccgagta aatgattcaa attcgcggcg gtctgtggtt tttaccggca 360
 tgcagattac ggaatatgat catcttattc gaaacaaaat tgtcttatga gacatgactt 420
 tagattcccc atttctgttc tttcgaattc gataagtgtt ttcactcgaa aaaaaa 476

<210> 3900

<211> 500

<212> DNA

<213> *Aspergillus niger*

<400> 3900
 gccggagcgc acttctctca acaaccacat taaaccttta gaagtttaat cttcagcgta 60
 acgatggccc ccaagagcaa gaagaccggt gacaccatca actcgcgcct ggcgttgtg 120
 atgaagtccg gaaaggtcac cctcggctac aagtccacca tcaagaccct ccgctccggc 180
 aaggccaagc tgggtcatcat cgcgcgcaac actcctctc ttcgcaagag tgagcttgag 240
 tactacgcca tgcctcgcaa ggcccccgct caccacttct ccggcaacaa catcgagctc 300
 ggtaccgcct gcggttaagct ctcccgccac tccamcatgg ctatcctcga tgctgggtgac 360
 tccgacatcc tgtccagcca gtaggtgtaa agcctagtca atggattcat gttatgtctg 420
 aacggcggtg tgccatgatg cacaacgtca cggcacgatt tagataatga caatgaactt 480
 tacatctata aaaaaaaaaa 500

<210> 3901

<211> 594

<212> DNA

<213> *Aspergillus niger*

<400> 3901
 gtgggtccgtg gacagccgac acttctgtcc ctcatcctaaa atgtccgccc ccgtcaagac 60
 cggcaagaaa actcgcctccg ccattcgcga cgttgctcact cgcgaqtaca ccattcaaat 120
 gcacaagaga atgcacgggtg tttctttcaa gaagcgtgct cctcgtgcta tcaaggagat 180
 ccgcgctttt gccaccctgt ctatgggcac caccgacgtc cgtgtcgacc ccagctcaa 240
 caagaaggct tgggaagccg gtgtcaaggg cgtcccttac cgtctccgtg tccgcatctc 300
 ccgcaagcgt aacgacgagg agggcgccaa ggagaagctc tactcctacg tccaggtgtg 360
 caacgtcaag gatgtcaagg gtcttacacc gccgttgctg atgaggagta aattactctt 420
 ctctttgate gatgaaaaaa acaacatatt tatcttattc cccaaaaatg aagccagatt 480
 ctttgcaagc ttgacgggtt tcttttttca tgatggwtga tgcaacggga cggggttcgg 540
 ctttttgtaa gagatataaa aaattcaaat cmcaattttt ggtaaaaaaa aaaa 594

<210> 3902

<211> 436
 <212> DNA
 <213> Aspergillus niger

<400> 3902
 ggaacaccga aaatgccgac ccccgaaatcc gcctccttcc tggccaagaa gcccacccgtg 60
 ccgccgacct acgacggcgt cgacttcgaa gacaacgtcg ctgtccacaa cgcccgcgac 120
 gccattatcc gtgaacaatg ggtccgcagt atgatgtctc gactggtcgg ggaggaattg 180
 ggaaagtgtt atgcgcgtga gggcgtaaat catttgagaa agtgtggggg tttgagggag 240
 aagtacttcg agttgctggg cgagcgcaag atcaagggtt acttggtcca ggagaagaac 300
 tacttttgctg gggaggggaaa caagtctgct tagattttgc tcggtggatt gaattgaaat 360
 tgggttttgca ggggtttctgt gttatgttat gtgatataca atatatgcat tgtggtttct 420
 tttcctaaaa aaaaaa 436

<210> 3903
 <211> 510
 <212> DNA
 <213> Aspergillus niger

<400> 3903
 ccatcttcga ctcaacagcc gcacagagac aagatgacga agcgcaccaa gaaggtcggt 60
 atcacgggta aatatggtag cagatacggg gcctccctgc gtaagcagggt gaagaagatg 120
 gaagtgtccc agcacgccc ttacatctgc accttctgcg gaaagaacac cgtcaagcgc 180
 aaggctgttg gtatctggga gtgcaagggt tgcaacaaga ctgttgccgg tggcgctac 240
 actgtctcta ccccgccgc tgccgccact cgtccacta tccgtcgtct cagagaaatc 300
 gcggagggtt agatgtgata atgggataac cttttctatt acgtttaaat tcaaaaatga 360
 gaaaatgaga tctggagaat ttcaataagc gaatgtctct taccacgaag cccgctagta 420
 cgatgttggt agcgcgaact gttgtcggtt gaacacaaga ttcttcacca atagatttaa 480
 ttaccatcgg tgattccaga caaaaaaaaaa 510

<210> 3904
 <211> 592
 <212> DNA
 <213> Aspergillus niger

<400> 3904
 gccaccatg tcgtccaagg tcaaggctgg tcagctctgg ggaaagagca aggatgaact 60
 caccaagcag ctggaggaat tgaagaccga gctgagccag ctccgtgtcc agaagatcgc 120
 tggcggtgct tctcgaaga cccacagaat ccacgacgtt cgcaagtcga tcgctcgcgt 180
 tctgaccgtc atcaacgcca accagcgcgc tcagctccgc ttgttctaca agagcaagaa 240
 gtacactcct cttgacctcc gcccgaagct caccgtgct ctccgcgcc gtctcaccaa 300
 gcacgaggct accctgaaga ccgagcgcaa gcgcaagcag gagatccact tccccagcg 360
 gaagtacgtt gttaaggctt aaatgcttaa gacggggtcg tctctggatc tggatggagt 420
 taacgggaac gtcgtttaat gatgacgggt tgacctaac ttgccgtgag gggggtcgga 480
 ttcacaaaaa cggtttcttt tgaaaaaaga aatcgattat gtatcttaga aaaaagaaga 540
 tgcagatcga tgttttttaa tgaaggcctt gcttgacatg aaaaaaaaaa aa 592

<210> 3905
 <211> 548
 <212> DNA
 <213> Aspergillus niger

<120>
 <221> misc_feature
 <222> (1)...(548)
 <223> n = A,T,C or G

<400> 3905
 atttttcaag tttgcgggta cccctgttgg cgtgaaggag caaataaaca tgggtgcagaa 60
 gattgtttct tctactgcgg gccggtcctt cgagtttgcc cgaggtgaga gcgaaatgca 120

agaactctgg	agcgcccgga	aacaagcact	atggagcggt	atgtccatga	ggcgaggtcc	180
tgaggaccat	gtctggacga	ctgatgtggc	tgtccctata	agcaaattac	ccgaaatcat	240
cgaggccacc	aaacaagaca	tgactgaaag	tggtttgttg	gcgggaatgt	gcggtcatgt	300
cggcgacggc	aattttcatg	cgatcatact	cttcaataaa	gacgagaaag	caacaccgag	360
gccgtggtcc	atcggatggg	aaagccgggt	ggtgactaga	aggtncagtn	ctggccaaca	420
cggagttggc	ctcttnaacc	ggattacctg	cacatgacta	gggaagtcga	cagtggttct	480
ttgcgccggg	tnaaataact	ntgacccctt	tgntgnttaa	tgcgataaat	tttgcgggtg	540
accaccgg						548

<210> 3906

<211> 560

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(560)

<223> n = A,T,C or G

<400> 3906

cgacgacgcc	gccgccaatc	tcttgagacc	accgacctag	aggttcaagg	acagacaaaa	60
tggcgaaaca	cagactccaa	taccgccgcc	ggaacccgta	caacacgcgg	tccaaccagg	120
tccgcatcat	caagaccccc	ggcggtgagc	tccgttacct	tcacatcaag	aagaagggca	180
ctgctcccaa	ktgcggtgac	tgtggcatca	agctccctgg	tgtccccgcc	ctccgcccc	240
gcgagtaggc	tcaratctcc	cgccccaa	agaacgtag	ccgcgcctac	rgtggttccc	300
gctgcgctgg	ttgcgtcaag	gaccgcacgc	tccgtgcttt	cctgattgag	gagcagaaga	360
tcgtcaakaa	ggctctcaag	gagtcctcas	agaaggctgc	cggcaagcgc	taaattgcac	420
atcatatcaa	ataaatgggt	ttttttgtga	ttasaggagc	gaatatggaa	aattttttaa	480
aatttggnct	ggtaattggt	cntttcttca	attgaacaca	aatggcggn	aanaaaatga	540
cancgacggg	gtaatatgta					560

<210> 3907

<211> 552

<212> DNA

<213> *Aspergillus niger*

<400> 3907

ccaatacctc	gttgaagact	cgcgtagcgc	aattggagtt	tatcaatgaa	ctgttccggg	60
gccgggtgac	ggaactggag	cagagcgggc	cgactgcgcg	ccgatcggag	atgatcgtec	120
gggactcgga	ggtacggctc	cggcggtctc	tggaggaggc	ccaacggcgc	gaagacgac	180
tgaacaggag	gatatctgag	ctggagcgac	agcttaccga	ccaaacctcc	tctgccaacc	240
cggcgggcaa	tgacagtccc	ggtgagccgc	tggccaagcg	gatgcggctg	tccgacgtcg	300
tggagcaacc	tgccggagtc	caacaaaaat	cccccaagag	gtctaaactc	cacggggcgg	360
ggggctttgt	tcggacgatg	gacgcgcacg	agtgcgcgtc	gcagcaccga	cgtaaacaac	420
tgccgacata	gtttgcgggt	ctgcgttctc	tgatcttccc	ggtctctttg	atacctttac	480
gagtcttggc	atttggtctg	ctggatatcg	gataactacc	taattatata	caccttcttt	540
gagaaaaaaa	aa					552

<210> 3908

<211> 444

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(444)

<223> n = A,T,C or G

<400> 3908

cgcacagaga	caagatgacg	aagcgcacca	agaaggtcgg	tatcacgggt	aaatatggta	50
------------	------------	------------	------------	------------	------------	----

ccagatacgg	tgcctccctg	cgtaagcagg	tgaagaagat	ggaagtgtcc	cagcacgccc	120
gttacatctg	caccttctgc	ggaaagaaca	ccgtcaagcg	caaggctgtt	ggtatctggg	180
agtgcaaggg	ctgcaacaag	actggttgccg	gtggtgccta	cactgtctct	acccccgcgc	240
ctgccgcact	cgctccacta	tccgtcgtct	cagagaaatc	gcggagggtt	agatgtgata	300
atgggataac	cttttctatt	acgtttaaat	tcaaaaatga	gaaaatgaga	tctggagaat	360
ttcaataaga	aaaaaaaaaa	nnaaaaaaaa	nnaaaaaaaa	aaaattcctg	ggaacnactn	420
agcatgcatn	taaagggcc	aatt				444

<210> 3909

<211> 503

<212> DNA

<213> *Aspergillus niger*

<400> 3909

gcgcgatgca	agtcagtgc	cggggtgact	tggcaaaactg	gatgctgcct	ggcaagatca	60
agggcttcgg	tgggtctarg	gacctcgat	cgaaacccctc	cgccaccaag	gtgggtgggga	120
ccatggagca	caaggataag	aaggggcgcc	ctaagatcgt	gaagcagtgc	gaattccctc	180
tgaccggaaa	gaattgcgtc	agccggatca	tcaactgagct	ctgcgtgttc	gacgtcgact	240
tcacagatgg	actgacactg	gttgagctgg	ccgatggagt	caccgtggat	gaggtgcgga	300
gcaagacgga	ggcacccttc	aagggtgctg	atgatgtcaa	gccgatgctg	tagatcagat	360
tgacatgata	atcaactgcag	ttctgtataa	cccggcgctg	tcatttcgac	aactgacctg	420
attttccaaa	caccatatat	gccacgccat	aaccgataat	aatgccattg	aacagatacc	480
aatttcttaa	ccccaaaaaa	aaa				503

<210> 3910

<211> 470

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(470)

<223> n = A,T,C or G

<400> 3910

tgagaagttg	ggaaccgcga	gcaccttcgc	tctgggaggc	attgcaggcc	ttatcactgt	60
ctatgttaca	gaacctcttg	atactgtcaa	gacaaggatg	caatcgctgg	aggccagcaa	120
gaactataag	aacagttttg	tctgcgctgc	acgtattttc	aaggacgagg	gcattctcac	180
attctgggtc	ggtgctgtgc	cacggctagc	gagattgata	atgagcggag	gcatagtgtt	240
tacgatgtac	gagaaaacca	tggatgcttt	ggatggcttc	gatccggaaa	ggcgatacat	300
ttgatgggat	acactttggc	cagtangtgc	gacacatggt	gagaagaacc	attactattt	360
ggattaccca	atgcattgtg	attttataag	tgtgccatgt	gccatatgat	atgactgtat	420
ttacatcatg	cctataaqcg	aataactgtc	tttgccggcg	aaaaaaaaaa		470

<210> 3911

<211> 629

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(629)

<223> n = A,T,C or G

<400> 3911

caagacaccc	gacagagttc	tcccacgacc	tttaggtggc	atatttcacaa	tggtgttcag	60
gaactccagt	ctcgctcttt	ctcgccgcaa	gtcgcgcgcc	gcccacttca	acgccccctc	120
cagcgagcgc	cggttatcc	tctctgctcc	tctctcgagc	gagctccgcg	ccaagtaaaa	180
tgtccgctcc	atgcccatcc	gcaaggacga	cgaggtcatg	gtcgtccgtg	gcagcaacaa	240
gggcgctgag	ggcaagggtc	ccagcgtcta	ccgctgaag	tgggcatcc	acgtcgagcg	300

catcagccgc	gacaagagca	acggccagag	cgtecccatc	ccttncaccc	ctccaacgtc	360
gtcatcaaga	agctccacct	cgacaaggac	cgtagaggcca	tccttgagcg	tgttgcaagg	420
gtcgtgaggc	cgtaaggcc	aagtccgctt	aaatcggggg	atttttgtga	ggtttaagtt	480
catatctggc	aaatggcaag	tgataacgcg	ggaagtccg	gaagacgcga	acaatatggg	540
atcttgctac	agtcgggata	tatctataaa	acatgatgta	ttctgatgaa	tgaaaaacga	600
aaaaattcaa	ttttctttta	cctaaaaaa				629

<210> 3912
 <211> 616
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(616)
 <223> n = A,T,C or G

ggccatcatc	accttaccca	accccgatag	ttcagggtctt	gattggcagt	ccagcctccc	60
ttgcgcattc	caaataccac	cggtcaccac	accgtctcaa	ctacaattca	agatgtcttt	120
ccagaagcct	gagaaggatt	tcggcgaggg	ccctaaggtc	cacaagatcc	gtatcaccct	180
cacctctcgc	aaggctgcct	cccttgagaa	ggtgtgctcg	gagctgatcg	accgtgctcg	240
ctccaagtc	ctccaggcca	agggctccgt	ccgtcttccc	accaagaccc	ttcacatctc	300
gaccgcgaag	acccccaaag	gtgagggttc	caagacctgg	gacaagtacg	agatgcgcct	360
ccacaagcgt	ctcatcgacc	tcctcgcccc	accgagactg	tcaagcagat	catcatcaac	420
atcgaggctg	gtgttgaggt	tgaggtcacc	attgctgctt	aaatgtaccc	ctaccttctc	480
tgatggtttg	ggttcgtgac	aggggtggcg	cggacgatga	ggatatgttt	tgtgggtgctt	540
nttgccgatg	canggtgcgt	gctangcart	tcgtcgatac	ccggcagttt	ctggcttgga	600
aatgaaaaag	ttcaat					616

<210> 3913
 <211> 885
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(885)
 <223> n = A,T,C or G

aacaaaaaaa	cttgatacct	ttccacacca	taccaccaca	cctatctcta	tattatatta	60
taataaaaaa	ttttataatac	catcaaaaatg	aagttcaactc	tcgctctctac	tcctcttccc	120
ctcctggccg	ccgctgcccc	cgcccagcag	cgcgatacca	ccaatgccac	cactccctct	180
accttcggca	tcattgtccg	ccgctccggc	tctcccatcc	accttctccc	cttgaacgcc	240
aacagcggcg	gtttctacct	gggtggaaaac	acctcttctt	actgcccgat	ctcttcgggc	300
tgccctgctg	gtactgagac	cgtttttgc	ggtgatggct	ctgctttgga	cgtcgaagtc	360
ccggcgggcc	agcaagtcta	cgtcgcccc	agcggcgccc	tgaccttcac	cgteccccac	420
tcggcctaca	tcoccgctgg	ctcgctccac	ggccccctca	agtaaccccc	cgggcaaagc	480
ctctgggcag	ctggacttct	acgggtgcgt	ggtgtacggg	cttcattggt	tgccctgatac	540
agggtaaaaa	gtggcagggtg	tttgctgsta	ctaagaatgc	taccgtgccc	agtggcaatg	600
tcgctgattg	cttgggcttt	gatgcccctg	ctgtggctac	caatgggtct	gtcgctgctt	660
gggagtatat	ctaaactact	tagtaactact	tccttttcgg	ggcgggggta	gttttggtgg	720
agatgggttg	ttgggttgagg	aaaagatact	agagttagtta	tagatgaagt	gggttggtag	780
tatagtgggt	gtgttcattt	tggttttatta	atgaatggtt	tgtatatgta	tgtttaatgtg	840
atcaatgatt	gttgatatatt	ttgaaaaaaa	aaaaaaaaaa	aaaaa		885

<210> 3914
 <211> 992
 <212> DNA

<213> Aspergillus niger

```
<400> 3914
cctcaagcag gccatctcca tcagcgtac attcaactcc cttcgtgat cgactttttg      60
tctcgtcaag atggtttctcg cggtcgacct cctcaacccc gcgcctcagg ctgaggccccg      120
caagcacaag ctcaagacct ttgtgcctgc tccccgctcc ttcttcatgg acgtcaagtg      180
ccccggtgcg ttcaccatca ccaccgtctt ctcccacgcc cagaccgtcg tcgtctgcgc      240
tggttgctcg accgtttctgt gccagcccac cgggtgtaag gcccgctctca ctgagggctg      300
ctctttccgc cgcaagtaaa cgtctcgacc caaccgtgcc ggagcgatta tgaaagcaat      360
gtggcgcttct tcaatgatga tggattaata tatctcgttt ttctgaggaa acagattcag      420
atagaagatg gaatcctcgc cccttgcgag aaagccctgc ggaaccacac agacaaggga      480
aatgaaaaaa atttttgacc aggcacagaa cctcggtttt gatacacctt ttcaaaaaaa      540
gcgtttacta ctttttatcy tctacatct ctgcgcaggg gagttccgga tatctggcac      600
atgatcgggc catactacca aaaactactc ttgccttata tcttgctctt gagtttttcg      660
cttgatgatt ttttactatt cgccaacttg tgttccttgt acctacgacg gatgtacctc      720
gaacaggggc acgatggggg agaatacatc aacggcaaaa gtacagctctg cacatgcgct      780
totgcgggtt gcgcgaggaa ttccgatatt gcggaaggag gaaaaacaga ttctatcgctg      840
gaagatgaat gatggcggtt ccggtattgt gcgcagcggc gtgactggct gcaggagccg      900
gttactaagt ctgagaggac ggtgcgggcc ctgcagagtt gtgataccct cgtgcggtaa      960
caatcgtatg ttttatttgg tcaaaaaaaa aa                               992
```

<210> 3915

<211> 540

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1) ... (540)

<223> n = A,T,C or G

```
<400> 3915
cccacttcca gtggatcatc cccgaccccc cccacggcaa ggagatcgat gagccccgaga      60
agattgagcg tgtcatcctg tgctctggcc aggtttacgc tgctcttacc aagcaccgtg      120
aagccacagg catccgcaac accgccatca cccgtgttga gcagctgcac cccttccctt      180
gggctcagct gaaggagaac ctggacagct accccaacgc ccgcaacatc gtctggggcc      240
aggaggagcc tctgaacgcc ggtgcctgga gctacacca gccccgtatc gagactctgc      300
tgaacgagac cgagcaccac aaccgncgtc acgttctcta cgccggtcgc gcttccagcg      360
ctttccgtcg gcaacttggtc tcaagtctgt ccattctcaag gaggagcagg aagtctctca      420
ngatgctttt actgtcanca agancgcctn aaggcgagta atgatgtcgt ggaanatngg      480
tttggttngg gagtancgtt gnttngtctg gcttcttgat gatttncttt gttaacacat      540
```

<210> 3916

<211> 557

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1) ... (557)

<223> n = A,T,C or G

```
<400> 3916
ctcaagcagg ccattctccat cagcgtacaa ttcaactccc ttcgtgatc gactttttgt      60
ctcgtcaaga tqtttctcgc qgtcdaacct ctcaaccccc cgcttcaggc tgaggccccg      120
aagcacaagg tcaagacctt tgtgcctgct ccccgctcct tcttcatgga cgtcaagtgc      180
cccggtctgt tcaccatcac caccgtcttc tcccacgccc agaccgtcgt cgtctgcgct      240
ggttgctcga ccgtttctgt ccagcccacc ggtggttaagg ccgctctcac tgagggctgc      300
tctttccgcc gcaagtaaac gtctcgacca accgtgccgg agcgattatg aaaagcaatg      360
tggcgttctt caatgatgat qgattaatat atctcgtttt ctgaggaaac agattcagat      420
```

ngaagatgga atcctngccc ttgcaaaaag cctgcggaca cacagacang gaaatgaaaa	480
aattttttgac agcacagaac tcgtttttgga tcacctttca aaaaagcggt actactttta	540
tcttctaaaa aaaaaaa	557

<210> 3917
 <211> 621
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 3917	
ccacccccaa cacaaaaaca ccaagaaaga aatgtccgac ctcgacagga cccccccctc	60
garagccgcc tacgtgggtcg cgaaggccat cctagccggc ataacygggt acttcattgg	120
ccaaggcagc accctaggtc tcttcagcaa caaagaaaaa gaaggctggc cgaacagcta	180
caatgtgaaa ccgcacctag actcgtcgga cgaagactac gaatccgaag aggaagaaga	240
ggacagtga gaagaaggcg acggcactga gctcgccaac ttcgatagct ccaatgaaga	300
agtgaatttg gttcttgtcg tgcggacgga tctgggtatg acgaagggtta aaatcgccgc	360
ccaatgtctc cagctacac tcgcatgcta caaatacctc acggcgtaca cgcctaacag	420
cggcatcctg cgacgatggg aatcgcaagg tcaggcgaag atngcgtgc angtaagtc	480
ggaggaggag atggaggaga tgcaagccaa ggcgattagt ttgggacttt gcgccaaagg	540
gattacggat gctggacgga cgcaaattgc tagtggaagt cgcacngtgt tgggggtttt	600
ggganccaag agtgtggttg t	621

<210> 3918
 <211> 416
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

<400> 3918	
tctcccttca cctatgggtat gaccatccag caggctctacg accagggtca gtgcttcagc	60
tctgctgtcc tggacattga ggagtctcag ctctctgagg ccttctccag cgccattaac	120
accatcacca ccattctcct ggtgtgcagc taccctacta tccccgctgt catgcactcc	180
ctcgtcaaca gctacaagaa ggttcttgcc gttgctgttg agaccgagta cagctggccc	240
gagattgagg agctcaagga ccgtattgcc aacctgacg cttacgcctc cgctgctcct	300
gocgctgccg ctgcctctgt gccggtggtg ctcccgccgc tgaggctccc aaggaggaag	360
aggangagtc cgatgaggac atgggctttc gggcctcttc gaactaaacg tctcgg	416

<210> 3919
 <211> 617
 <212> DNA
 <213> Aspergillus niger

<400> 3919	
ctctctctct attcttcccc cccactccac ctctttctct cttattcagg cctttttctta	60
gcctctcttt tcaagcttcc cctccctgca tcaatgttccg ctccggcgct gtcgcctccc	120
tcagggcctc tctccctcgt gccgtcaaga ctccggctcc cttccagatc cgtacgtctc	180
ctgtcgctcg cccggctcaa ttgcgcctct gcttttgcta ccagggtgtc agactctact	240
ccgctcccg cggctctcaac aaggacgagg ttgagggtcg gatagtcaac cttctgaaga	300
actttgacaa ggtctccgat gctagcaaga tcaacggtgc ctctcacttc gcaaattgac	360
tcggcctgga cagcttggt accgttgagg tcgtcatggc catcgaggag gagttcagca	420
ttgagatccc cgacaaggag gccgaactca tccacagcgt tgacaaggct gttgaqtaca	480

tccttggcag	cccgatgctc	actaaatatg	aacgtaatgc	gaagactcgg	agtggattgg	540
ggggacttag	aatagaaagg	aaaggggaatg	ctggcgtgca	tctacatggg	acttgccacc	600
gtggaggtaa	caaggat					617

<210> 3920
 <211> 632
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 3920						
gtctgggtaca	agcgcgaatt	tgaatggcca	gaggtctttac	gtctctggga	aacatttatgg	60
acggatttacc	tttccagcag	cttccacott	ttcatcgcac	ttgcattctct	cgaaaagcac	120
cgggatgtca	taatggatca	cctgaagcag	tttgacgaag	ttttgaagta	catcaacgaa	180
ctctccaata	caatggaact	cgttccgata	ctcacacgcg	ccgaatcact	attccaccgc	240
ttcgaacgag	cgtccaggc	catcgacaag	aaaaacaact	tccttcgacc	tgcgcgccat	300
caacggaagc	ccacacaaga	ctcctccgct	agcacaaca	ataaaggcaa	atcaccccaa	360
cgaccccaaa	atactgcctt	cagcagtggc	gtcagtgcg	gtcccagttc	agcacctgac	420
agtgaaggag	aaacaaaggt	ggtctccccg	gaactgagg	aactttttca	caaggacatt	480
ccatggggca	cgtaaatcgc	ctccgaaaaca	gcagcaagca	gaagcagcaa	ggaagagcct	540
gcgaaaagga	gaatcgatcat	cgtagagagc	cctaacctac	acctactttg	ttcctctcct	600
tcttgattcn	caatgngncc	taatgcaaat	ca			632

<210> 3921
 <211> 453
 <212> DNA
 <213> *Aspergillus niger*

<400> 3921						
gccagcgtca	agatcatcta	caaccagttc	atcaacgccc	agtcctatga	ggccggcacc	60
gttgaggctt	actctgagga	ggctatcacc	cagtctccca	acctctctac	tttcgagact	120
gatgaccaga	ctctggccca	cctccgtgaa	taagcccttg	ccaacaacct	cttctgggct	180
atggctgagg	gtcacgcttg	cgaaatctcc	gctcgtcgta	acgccatgga	gaacgcctcc	240
aagaacgctg	gtgagatgat	caacaagttc	agatctttgt	acaaccgtca	gcgtcaagcc	300
gccattaccg	gtgaactggg	tgagattatc	actggtgcca	cgcacagtgc	ggacatgtaa	360
aagcttccat	gaagcttgtg	tggggaggag	tcgccatgtg	tgtagactta	ctcataaata	420
cctagatgct	tgtcagcctg	taaaaaaaaa	aaa			453

<210> 3922
 <211> 474
 <212> DNA
 <213> *Aspergillus niger*

<400> 3922						
ttcacgggtga	ccttgtttoga	ggctaagcgc	gagactacta	ccgcgcgacgg	cgagttggac	60
cacatcaagg	aggtcaagta	catlgagagg	taaggcagctc	gtcgcacca	gatggaaaa	120
gtggcaggat	atagtcgggt	ggatcggatc	gtgcattgact	tggaaggata	tgacctcgtg	180
ttccgctact	acgaacgtct	tgactggaaa	ggggggggccc	ctcggctcgg	agaagagcgc	240
gtttgagaga	gcgaacacgg	tgtctgtcca	tgcatgagag	gtgagaagga	agtgggagaa	300
tgatctcgtt	ttttgactgt	ttccaatttc	gggtttttgtc	agctgttact	ttcctatcat	360
cgagcgattg	agctttgtcc	tttttgagca	atgttagtat	ccactttcgc	ttacggattt	420
gtggcatrgr	ggttattttcg	aacaaatatt	atccgtctac	ggacaaaaaa	aaaa	474

<210> 3923
 <211> 370
 <212> DNA

<213> Aspergillus niger

<400> 3923

cgcaggtgtc	cttagtatga	gcactatcga	gacggatctc	attcatgcgg	gtgaagggtg	60
tgccgagtat	gatactcaca	atctctatgg	aacaatgatg	agctctgctt	cccgacacggc	120
tatgcaggcc	cgccgtccc	atgtgaggcc	tttggtcac	actcgcagta	cgtttgcagg	180
cgctggagca	cacgtaggac	actggctggg	cgacaacttt	agcgattggg	ttcactaccg	240
gatctccatc	gcgcagatcc	tctccttcgc	gtccatgttc	cagatcatgt	gtgaattatc	300
ttgcgatatt	tgttatggat	caaataattag	tacattacat	gcagaaaagt	gactctttca	360
aaaaaaaaaa						370

<210> 3924

<211> 449

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(449)

<223> n = A,T,C or G

<400> 3924

ngataaggct	gcgcaagttg	cgaagaccga	gttccacccc	cgtaatctgc	cccattctca	60
ggcttttga	cacaagcatg	agcatttgga	tgcgattact	cgttgactc	atcagttcgg	120
tggaagggtg	ctggatatca	gtaccaacaa	ctgcattgtt	gaggctctcg	ccaaaccctc	180
ccgtatcgac	tccttcacga	agctcatcgg	ccccctcggt	gtcctcgagt	ccaccctgac	240
cggctctgatg	gctctgcccc	ggtctcctct	cttcgagcct	ancgaggaga	tcgagaagga	300
cccgtcgacg	ttgttgacgc	caacaccctt	ccccccggtt	aaatgtaatc	cgtctgtgcg	360
cttttactta	tctaatacaa	ttatctatat	ccctcaatgt	taaaaagcac	aaacacaaat	420
gtatttcac	caataatttc	cctttgcaa				449

<210> 3925

<211> 507

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(507)

<223> n = A,T,C or G

<400> 3925

gqaaqaccac	tqaaacgtcg	ctctggggagg	tttctttctcc	ggcgccatcc	tgggtctctcg	60
agctcgcaca	ttccccgccc	tcctggggcta	cggcgctcgt	ttggccaccg	ccacggggcgc	120
tttcgaatac	accggtggaa	cgttggttcgg	ctacaagaag	aacaccgata	tcgacgagtt	180
tgagcgtcgg	gagcagcttc	ggaagacata	cagaattccc	gcagagcaga	cccttgccga	240
attgggcgag	ggacgaggta	tttatggccc	cggatacgcc	gagagacggg	cggagagaat	300
caaggaggca	tacggtatcg	aggttcccac	aacggctccg	gcatcatgaa	catggttttg	360
ttagatatct	ctcctgcgca	gtccctcaat	tctcagttct	gttgtgtaaa	actactacat	420
ctttcttatt	ttcagtcgat	gcgggtcagg	tacgcgacat	ggcaccctnca	ccaatgaaga	480
tttcatttcc	tgttctaaaa	aaaaaaaa				507

<210> 3926

<211> 631

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

```
<400> 3926
ccggcccgtg atatacetta ctgttgatta tactattcaa ttgcagccag aatgtctgct      60
gttagcctga caaatcaaac ccgtcttcgt ctctcacgag gcgccacttg ttttaaacca      120
tccactctgg cctcccagcg cctcttctct tctctctctt ccgctagatt ctctctccag      180
tcttccacta gaaccgcagt agcgcctctt ttctctcgtc caactccggt catccacagc      240
cgtcgcgctt tctctcacac atcctccacc atgtctcaca aggttcacga catcacctct      300
aaggccgagt tcgccgagaa ggttaccaac tccaccgacg ccctcgctct tgactgcttc      360
gctacctggg gcgggtcctg caaggctatc tcccccaagg tcgaggagtt caagcaaacac      420
ctaccccaac gccaaagttct acaagatcga cgtcgacgaa ctgtccgang ttgctgccga      480
gctcgggtatc cgtgccatgc ccactttctt gctcttcaag gacggcaaga agttcgacga      540
cctcaacggg ggcaanccca anggtctggg agcagaagat caaggctctg cttgcataaa      600
tcccgttgga tanatgatat aaggggatac t                                     631
```

<210> 3927

<211> 616

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(616)

<223> n = A,T,C or G

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<400> 3927
ccgagcaaag ccgaacgcga agaagcccac aacatcaagg ctcagccaga gtccctgcga      60
accgcgtccg gagccaacat cgagttcaac aacgtcgcat tccgctacgc ctcccaagat      120
acgcctctgt tcacaaatct caacgtcaaa atcgagagtg gccaatctgt cgccttcgtc      180
ggaccatctg gctgcgggaa aacgaccgtg atatctctcc tcgagagatt ctaccacccc      240
taccaaaggaa cagtcctcat caacggcaac gacatccact cgatcgaccc ctcatactac      300
cgtcgctcaa tatccctcgt agcacaagag ccacgactct tcgaaggcac cattcgcgat      360
aacatnccct tggactcgac gagtccgagt tcacggaaga cgatctgac caagcgtgca      420
aggacgcaga gatccacgat ttcatcaact tcttccggaa ggtacttcac tgatcttggg      480
aatcaaggcc agacctcatg agtnggaggc aacgacacgc atgtcattga agancgtcta      540
cnaagcatcc ttntttgntt gtgaacgcgt tgagtcttgn tccatttgga agnctncagc      600
gggatggacc ttggnt                                     616
```

<210> 3928

<211> 447

<212> DNA

<213> *Aspergillus niger*

```
<400> 3928
ctacagcagt gtgactgtea cctcgtggcc gagtatcgtg gctactggcg gcaccactac      60
gacggctacc cccactggat ccggcagcgt gacctcgacc agcaagacca ccgcgactgc      120
tagcaagacc agcaccatac acttccagcg acccgctctg gtatgtcact gtgactctgc      180
cggctggtga gtcgtttgag tacaagttaa tccgcattga gagcgatgac tccgtggagt      240
gggagagtga tcccaaccga gaatacaccc ttctcaggcg gtgcggaacg tcgaccgcga      300
cgggactgga cactcggcgg tagacaatca atccatttcc ctatagttaa aggatgggga      360
tgaggggcaat tggtttatatg atcatgtatg tagtgggtgt gcataatagt agtgaaatgg      420
aagccaagtc atgtgaaaaa aaaataa                                     447
```

<210> 3929

<211> 633

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(633)

<223> n = A,T,C or G

<400> 3929

ggcatgcaact	aacgatacgc	tactgactgc	tatgattgat	gaacaatgag	atctgcgaag	60
gctgtagtga	ctgaaaacgc	agccgcccgc	atgcgtgtcc	aggctcatgg	cgctccggcg	120
cgaaccatca	caagtttaag	gcgatgggcc	atagccaaca	gagagctgcc	agcggtatcc	180
catatacggg	ctattcatgt	ctacgacttt	gataatacat	tattcttgag	tcctctgcca	240
aacccacagc	tatggaacgg	tcgaccatc	gggtttctgc	aggcctatga	gagcttcgcg	300
aatggaggct	ggcggcacga	tcgaaacttg	ctggccgcga	ccggcgatgg	catcgataaa	360
gaagagccac	gggcctggga	gggatgggtg	aacgaacaga	ttgttcaatt	ggtcaagctg	420
agtatggagc	agaaagatgc	cttgacgggtg	cttctgacan	gccgcggcga	gaccaatttc	480
tcgatcttg	tcgggcgtat	ggcggacagt	aagaagctgg	agtttgatct	catctgtctc	540
aagcctgaag	ttggcccgan	gagccagcga	ttctccacta	ctatggagtt	caagcaaact	600
ttccaagaa	gaccttgntc	tcacttacga	aca			633

<210> 3930

<211> 579

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(579)

<223> n = A,T,C or G

<400> 3930

ccgagttctc	ccaagacctt	taggtggcat	attcacaatg	gctgtcagga	actccagtct	60
cgcctcttct	cgcgcgaagt	cgcgcgcgcg	ccacttcaac	gccccctcca	gcgagcgcgc	120
cgttatctct	tctgtctctc	tctcgagcga	gctccgcgcg	aagtacaatg	tcgctcccat	180
gcccacccgc	aaggacgacg	aggctcatgt	cgtccgtggc	agcaacaagg	gcccgtgagg	240
caaggtccac	agcgtctacc	gcctgaagtg	ggccatccac	gtcgagcgcg	tcagccgcga	300
caagagcaac	ggcagagcgt	cccatccctc	cacccctnca	acgtcgtcat	caagaacttc	360
actcgacaag	gaccgtgang	ccatccttga	gcgtgttggc	aaggctgtga	ggcgcgtcaag	420
gccaaagtcn	ttaaatcggg	ggatttttgg	angttagtta	tatctggcaa	atggagtgat	480
acgcggagtt	ccggaagacc	caacaatntg	gancttgcta	cagtcggatt	ttntataaac	540
atgatgnttc	tgatgatgaa	aacgaaaatc	aaaaaaaa			579

<210> 3931

<211> 602

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(602)

<223> n = A,T,C or G

<400> 3931

gaccccggtca	atgggacccg	aaagaaacccg	ctgggataca	tcacccatgtc	cgctccctcc	60
ctcgccagct	acatcggtca	ggccccccttc	ctcaagcgct	ggatgatgac	cattgcccag	120
tggtacaccc	atgctctctg	ctacaggaga	ctcggttga	aggctgatga	ctgatacccc	180
gaggagaacg	atgtcgtcca	gaaggccctc	aagcgtctcc	ctcccatgga	ggcctacgac	240
cgtatcttcc	gcataccgag	agcattccag	tgtctcatct	cccacaccct	ccttcccgtc	300
gctgagcaga	ccaagcccca	ggaggaatgt	aaatacctga	qccccatcat	ccqcaqatc	360
gagaaggaga	agcaggagcg	tgaagacctc	gacgcccctg	tcgtcagacg	gtagaatatg	420
tctctggctt	cgtcgaacta	gattactttt	ggtanccgat	acaaaaatgc	cgttgggttt	480
atagacgggc	nggatactaa	tatcagagag	actttntggc	ccggtcggtc	ggcggcatct	540
tccaanaaaa	aaggaggaaa	aaanacattt	ggctgggtgt	aatgaacttt	gattatgggg	600
ct						602

<210> 3932
 <211> 639
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

<400> 3932
 gctcaacccc cagcgaactc gacgtgtcag tctccgcccc actttgcggt taaatcgatt 60
 gattctcgtg ttcaccacca caactattca aaatgaagta cctcgccgcc taccttctgt 120
 tggcccttgc tggcaacaac accccctccg ctgaggacat caagtccgtc ctctccgccg 180
 tgggcattga cgttgaggag gagegcctcc agaagctcct tggtagagct gagggcaagg 240
 aactccagga gctcatctcc gagggtaacc agaagctcgc ttcggttccc tccggtgggtg 300
 ccggtgctgc tgcgctgccc cccgctgccc gtggcgccgc tgcgtctgag gctcccgtg 360
 aggagaagaa ggaggaggct gctgangagt ccgatgagga catgggcttc ggtctcttcg 420
 actaagcgcc ttcactccga acaccgagaa aaaacgtaac aattcgtggg gggaacaaaa 480
 atctggcggt tattttcagt ctaagggagg aaaattacca ttggtccaag tcaagccggt 540
 gttttgccaa ggcttttctg atcaagttac gaattatgca taagttagct gggaaaagag 600
 cnttaagcca atacanaatn ctctgacct nccccaaaa 639

<210> 3933
 <211> 549
 <212> DNA
 <213> *Aspergillus niger*

<400> 3933
 atattttccg acgtctctgt tctaataggc gctctgtttg agagataata ttgcaaaagt 60
 gtccgctcag aactccgcag gcattccagc cctcctcgat gccgagagg aggctcagaa 120
 gatcgtccaa caagccagag aataccgcac gaagcgcata agggaggcaa agtccgaggc 180
 gcagaaggag attgaggagt acagaaaagca aaaggaggag gagttcaaga agttcgaggc 240
 tgagcactcg agtggatata agaaggccga ggaggatgag aacaaggagg ctgagggtgaa 300
 gctccaggaa atcaaggatg ctggtaacga gagaggcgga aaggttattg agactcttat 360
 ccattgcgctg gtcgatgtga agcccagacc gtccgagaag atcgtgatca aggcataagag 420
 gaatgatgcc gaatgtcatt gtggcagcat gaggggttct tgtttgtcat ttgctttcag 480
 cctgtgaata tagttctggc cactgtttga gcattacata aattcatgtt gtgtcctgtc 540
 tgaaaaaaa 549

<210> 3934
 <211> 723
 <212> DNA
 <213> *Aspergillus niger*

<400> 3934
 caatctcctg ctacagcttg actgacattt cgcgatacct cccctccaca ccaccccgctc 60
 aattggaccc gaacaacccc gctgggatca atcaccatgt ccgctccctc cctcgccagc 120
 cactctctca agcgcctctt cctcaagcgc tggatgagtc ccattgcccc gtggtacacc 180
 gatgcctctg gctacaggag actcggtctg aagggtgatg acctgatccc cgaggagaa 240
 gacgtcgctc agaaggccct caagcgtctc cctcccaagg aggcctacga ccgtatcttc 300
 cgcctccgca gaggcattca gtgctccatc tcccacaccc tcttcccgcc tgcgtagcag 360
 accaagcccg agggaggatg cgagtacctg agcccacatc tccgcgagat cgagaaggag 420
 aaqcaaggac qtaaaacact caacgcctct gtctcagac qataaattat qtctctqact 480
 tgcgtgaact agattacttt tgttacggta taaaaaatg ccgctggggg tttatagacg 540
 ggcggaata ctaagtatca gagagaactt gctgtcccg ctcggstcgg cgggcatgct 600
 gcgaagaaga gagggaggag agagagagca tttggctggg tgttaattga agcttttgat 660
 ttatgggtgct caatcacgtg tactgatact gtacaaattc actcgtcatc gttctctagt 720
 tgg 723

<210> 3935
 <211> 619
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

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<400> 3935
gagctcctga cgcattcttac agaacccttc tcgaggagcg aacactgtcc gagttcaagg      60
aatgtgtcgt ccaggtctgg cctggcccca acaagctctc cgccacaggt cccaacggtg      120
tctcgaaacga agaactggcc aagagcagtc ccggccggcc cttegagttc cccgacggct      180
ataaccaagt ctttggagtg gatcgtata aggtcgtcga atccctgttc gagccaaaag      240
ctgaattccc ggacctgaa tcggcattcc ccgcacccgc gcgggcacaa actgtgccag      300
agctcatcaa gaatgcgctg aacggcgctg acgtcgacat ccgcgcact tgttggttaa      360
cgttgctgtc acgggcgcct ccagcttact ctatggtttc accgaccggt tgaaccagga      420
gctcatgcag atgttcccag gtccacgcgt tcgtatatcg gccccaggaa acaccgcaga      480
gcggaagttt ggcctcttggg ttggtggaag tatcctcgcc agtctgggta ccttccatca      540
gatgtggatc tncagaagg agtttgacga acatggtccg aatatcgtcg agaagcgctt      600
caagtaggaa aatgtcttt                                     619
```

<210> 3936
 <211> 553
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(553)
 <223> n = A,T,C or G

```
<400> 3936
ctcctatatt ttccgaagct ctggttctaa taggcgcctg ttttgagaga taatattgca      60
aagatgtccg ctccagaactc cgcaggcatt cagaccctcc tcgatgccga gagggaggct      120
cagaagatcg tccaacaagc cagagaatac cgcacgaagc gcataaggga ggcaaagtcc      180
gaggcgcaga aggagattga ggagtacaga aagcaaaaagg aggaggagt caagaagtcc      240
gaggctgagc actcgagttg atacaagaag gccgaggagg atgcgaacaa ggaggctgag      300
gtgaagctcc aggaatatca ggatgctggt aacgagagag gcggaagggt tattgagact      360
cttatccatg cgtcgggtcg tgtgaagccc gaccggtccg agaagatcgt gatcaaggca      420
tagangaatg atcccaatgt cattgggtggc agcatgaagg ggttcttggg tgcattttgt      480
tttcancctg taatatagtc ttggccactg tttgagcatt cataaatcat gttgggcctn      540
gnttgaaaaa aaa                                     553
```

<210> 3937
 <211> 622
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 3937
ctccgggagt gcatgtagtg gactattagg ctatacttgt ctaactcccc cggagatccc      60
tagtcttcca ctgaagcatt cagaagcaca ttcagataaa atcgggtccg tcacttgctc      120
gcactgcctt gttccactag atttgtgtct tcacaacata aatacgcggt ccagtttgca      180
gcagtttcgt gcatgtctct gctgatctca caccggctat tgggctgtca atccaagggc      240
ttcagatttc ctgcagatca aaagtcagct ataattgccc gtcgcgtcac ccagaaactt      300
tgaagcatgg gtaagcggaa gaagtcacgc aggcaaccac agcaaccacg aaagagagaa      360
ccgttgccca cgacatttgc ctgccttttc tgcaatcacg agaactccat cgtcgtaaaa      420
ctagacaaga aacttggcct aggaaatttg tctgcaaaag tctgtggcca qcagtttcag      480
```

acgggcataa	actatctctc	cgtctctgtt	gatgtatact	cggattgggt	ggatgcctgt	540
gacgcggttg	ccaaggatac	tgctaccaag	tacgaagata	gtgatcctcg	tgtccgacgt	600
tcgaatgaat	ttgcttacct	ct				622

<210> 3938
 <211> 524
 <212> DNA
 <213> *Aspergillus niger*

<400> 3938						
cccagcctcc	catccgcgtc	ggagaccctg	ttcaaggcca	aagccgcca	gaaactgagc	60
ttcgagcaaa	ttgccagca	cattggccgc	aatgaagtgg	ctaccgcgc	catcttctat	120
ggccaggcca	aggttcccc	cgaagacatt	gagaaactct	caggactcct	gaccattcca	180
tatgatgctc	tggaagaaa	gcttagtggc	ttccccgacc	gtggtcgcag	cgttgagatg	240
cctcccaagg	agccgttgat	ttaccggttg	tacgagattg	tcgagaacta	tgatacgcg	300
tacaaggcgg	tqctgaatga	gaagttcgga	gatgggtatc	tgagcgctat	ctctttctct	360
acaaagggtg	agaaggagac	ggatgcggat	ggaaataaol	gggtgtgat	tacccctgcgt	420
ggcaagtggc	tgccgttctc	gcggttctag	atcgggctta	atgactgcat	atataggctt	480
atgtaaatga	ttgctaata	atggttttta	tgaattaaaa	aaaa		524

<210> 3939
 <211> 451
 <212> DNA
 <213> *Aspergillus niger*

<400> 3939						
caacctcaac	caccccccca	aacaaccgtc	aaaatggaga	acgagaaggg	agagatcgtc	60
gatctctacg	tcccccgcaa	gtgcagcgcc	accaaccgca	tcacaaaggc	caacgaccac	120
gcctccgtcc	agatctccat	cgccaagggt	gacgagaacg	gccgctacac	cggtgagaac	180
cacacctacg	ctctgtgagg	cttcatccgt	gcccgtgggtg	agagcgatga	ctccctgaac	240
cgccttgccc	agcgtgacgg	ctacgtccgc	aacgtctgga	ccgctgccc	ccagcgctaa	300
gcacttttcc	tttttgagag	agacgtgcgg	tgttgggatg	aatttggaag	tggttggtta	360
ttgatgatgg	atgaagatat	ttaactatat	ctccacaaaa	aagggaatcc	tttcacacaa	420
tgaaatgaaa	aaacttttcc	aaaaaaaaaa	a			451

<210> 3940
 <211> 554
 <212> DNA
 <213> *Aspergillus niger*

<400> 3940						
gacaaactaa	cttactatcc	tactccaatc	tgattctgca	taacaaaaat	ggccgagaca	60
tctcatecca	tcccgaactc	cccgaactgc	accgcgatt	tctgcttgat	cccaatcggc	120
acatcatctc	cctccgtgtc	cgcccaata	gccgatgttc	agcgccttat	tgagaaatct	180
ggcctgaaat	acgtcatgca	ttcagctggg	accacgctcg	agggtccttg	ggatagagtt	240
catcaggtta	ttggtaagc	gcatacgatt	cttcatcagc	agggatttgt	gaggattcaa	300
acagatatcc	gcgttggtc	gagaaccgat	aaggaacagt	cctttgagga	caaggtgaac	360
aaggctcgtg	agttgttgaa	aaacgactaa	gcagatacta	caagggtatg	tgcttggtac	420
tcgattgagt	ggaaacgctc	cagcagttgc	acctttcttt	atatgctatc	gcttatggac	480
atgggtataac	gataatata	agttagatac	actgigcaac	atatgataat	catcccaac	540
gcaaaaaaaa	aaaa					554

<210> 3941
 <211> 610
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(610)

<223> n = A,T,C or G

```
<400> 3941
gatctgacgc attgttctctg tattgtctag agtaccatct attcaattct tccaatcatt      60
gaatttaacc atggcattat tcttcaactc tctggctactc aaatgcactg gcagacaatt      120
ccagttacta gcagggtttta gaggctacag cactttctct gacataacct atcatgcaca      180
gccagcgagc gattccctcc acccagcagc ctctggctgaa tccagtgcac tacaatcgac      240
cgaactgcaa acgaaacaat ggagggaacg ccttgagagc attaatagta aggctcgact      300
tcccaggagc gttcaagctg tgtacctacg acccctccgg aggaaggccg agtttggcct      360
tccagtctgt gatcttcagt tgagatctta cagtgtacgg aacgtcgaat ttttcgccga      420
ttttgctgtg cgggcccgtt actacctgaa ccttctgtc tcggggccgg tgcccttgcc      480
acgaatcggt gaacgatgga ccgtccctag aagtaacttc gtgcacaaaa agagtcagga      540
gaattttgaa agaataacac ttgcagcgnt ggtacaaaac aaaagacggn aaccctcaag      600
ttgtacaaac                                     610
```

<210> 3942

<211> 353

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(353)

<223> n = A,T,C or G

```
<400> 3942
gagcagtgat ctctttcttc catgaaggtc aagatcattg ctctctccga gcgcaagtac      60
tccgtctgga tgggtgggtc catcctggcc tccctgtcca ccttcagca gatgtggatc      120
tccaagcagg agtacgacga gagcgggtccc tcgatcgctc accgcaagtg cttctaagct      180
cttgccgctg atccgtttcg tactctcgta ttcccccatg tattaanaag cccggagaca      240
ctgggtgactt gggggcctct ctgactcgca ctangaggaa gatcgctga aaaaggaact      300
tttattttta ctgtggaata gagatgggta nttttttttg caaaaaaaaa aaa          353
```

<210> 3943

<211> 608

<212> DNA

<213> *Aspergillus niger*

```
<400> 3943
gtcgcttctc tgggtcttat cgccgagatg gagaagccca aggacttcaa gaagtcgctg      60
ttcatgctgc aggcgtttga aatcagctct tacgtgactg ctgcctgctg catctactac      120
tacgtcggca aggatgtgca atcccccgcc ctccagctcg ctggctctct tctgaagaag      180
gttgccctatg gaattgccat tcccaccatt gtccggtgccg gtgtcgtgaa tggtcacatc      240
ggcttgaagt acatctactt ccgcacttgc tccaagtcgg gtctcatcca cagccgcagc      300
cgccgctcgg tcgcctgtct gatcgcttgc ggcttggcct gctggctggg tgcctggatt      360
atcgccgagg ccatccctgt ctccagcgac ctcaactcgc ttattagcgc tctctttgct      420
agttggttca gttacggcct cagtggcatc tactggctcc acctcaacta cggccagtgg      480
tttgccaacc cccgcaagat cgccctgacc gtgctcaatg ccgcgatcgc tgtgttcggt      540
ttgggtgctg gcgtcctggg tctcctaagg ctcggaacg gcatccacaa cgaatgcaac      600
agcaaacag                                     608
```

<210> 3944

<211> 634

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(634)

<223> n = A,T,C or G

```

<400> 3944
acggatgtga gaaggcgtat ggtacgctga accatctgaa cgcccacgtc acgatgcagt      60
ctcatggcgc caagcgcaaca cccgaagaat tcaaggagat tcgcaaagag tggaaagctc      120
gaaagaagga ggaagaggcc cagcgcaagg ctgctgagga gcgcgagcgt gctgccgctg      180
ctcaagctgc ccaggccaac caggtcgacg caccocaatcc tgcggatccc gctcaggctg      240
ggcaaccacc tgcctacccg ggtggtgttc gtccctcaatt acctccatt ggatatcaac      300
ctgccgacgg tcaggtaccg gggcagtagc gagctggagc cggaggtatg gtgtatcang      360
gcaatgggca gatggcatac ccgccaaact accctcactc cccttatgga cagaccggtc      420
aagtgtacca accacgtaag tagtcagtc tttgttatgt ttgccttctc ggcaccgggt      480
catgaacaag tctcgcatgc gacattaaag aaaccaaccc caaaaaagaa agaaaagaag      540
aaacaaaaag ggacacacga acaacatacc cgggttgcaa aaactcaaga aaagttgana      600
aggagtcttc ngatntaatg ctaaaaggtc gtnn                                     634

```

<210> 3945

<211> 313

<212> DNA

<213> *Aspergillus niger*

```

<400> 3945
gcccaaccagg accccgttgt cggtcagttc cagcccctgc tgggtattga cgccctgggag      60
cacgcctact acctccaata ccagaaccgc aaggccgagt acttcaaggc catctgggag      120
gtcatcaact ggaaggccgt ggagaagcgc ttctccgcct aaagctttct ttatgatatg      180
aactgtatat tgacgcggct tgattagcga ttgtggatct gcgtattatg tgtactatgg      240
atttggaaact aatcaggctc aatccgatgc cctaattgcaa attccgtatt aatggcactc      300
ttctcttctt ttt                                     313

```

<210> 3946

<211> 486

<212> DNA

<213> *Aspergillus niger*

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<400> 3946
ggagcgaggc gcattgatca tgggattcgg ttggtggagg atgaggtgct tatggagagg      60
attgcgaggg agggcattct gttgacgggt tgtccgctgt cgaatgtgca gttgaagtgt      120
gtgaaggagg ttggagaggt gccgattcgg aagttcttgg agaattggtg caagttctcc      180
attaatagtg atgatccggc gtattttggg ggctatatat ttgataatta ttgtgcgggtg      240
caggaggcgt ttgggttgag tgtcttggag tgggaagacta ttgctgttaa cagtgtgagt      300
gagagttgga ttgaggagga gaggaagatg gagttgatta ggaggattga ggaccatgtt      360
ggaaggtttg cgcatttggc ttagttagtt ttactcctac ctggtgatat agaagggtat      420
gggtatgggtg taatgagtag atgatagatg catattgaat aaagcgtgat tctttgaaaa      480
aaaaaa                                           486

```

<210> 3947

<211> 530

<212> DNA

<213> *Aspergillus niger*

```

<400> 3947
catagagcca aatggactgg attgctccaa gacgtcatgg cgggtgtgatt gtgtcgcaaa      60
tgtcgtatct gcattgtcca ccgcttttgt acctgaacgc gtccgagtgg tgggctgaac      120
ttcatcgatg agaacgacga ggtcctcttc gccgggtttcg gtccgtaaggg caaggccaag      180
ggtgatattc ccggtgtccg tttcaaggta gtcaagggtt ccggtgtcgg tctgtctcgt      240
ctctggaagg agaagaagga gaagccccgc tottaaataa cccaaaccct ggggaattta      300
ataaagatgt tattagcggg gtggaagggg gcccatccca tgggaagaagc ttccggggcaa      360
aggcaaaagca aacacaaagc tatggtctgg aattgatggt tcaggacgga tgagaccctg      420
caaaataaat accatttgca gcgtactacg attgatatat ccataaaaga tggcgccatg      480
atattttctt ttgggagggc cctaaaattc aaatccttca aaaaaaaaaa      530

```

<210> 3948

<211> 520
 <212> DNA
 <213> *Aspergillus niger*

<400> 3948
 gtccaacgct gctgcccgac tcaagcagaa gtacggtggt gacgctgagg tcatcaacct 60
 tcgttccgtc aagccccctcg acgttgagac catcatccag tcgctcaaga agactggctcg 120
 catcatgtgc gtcgagtcgc gtttccccat gttcgggtgc tctctgaga tctcgcctct 180
 ctccatggag tacgggttctg actacctgac tgcctctgcc gtccgtgtca ctggcgccga 240
 ggtccccacc cctatgccc ttggtctcga gaacatgagc ttcccccagg aggacaccat 300
 tgtcagccag gctgccaaagc tgttgccgct gtaaaggatg agccgttgtg tatgaaccga 360
 cgggtgaagaa aatctgaatt aataaaatca tgtgtctagt accctatcat tgttacagcc 420
 atttctccta tttctctata ttacctcggt cccccacttt cctgatcttg tacgactata 480
 caacacaatc aacggttattc tgcattctta gaaaaaaaaa 520

<210> 3949
 <211> 614
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 3949
 cgcagctcaa atcggatgcg aacgcgagct ctgataagca aaccgacccc aagcaatggg 60
 atcgcaacta ctcggtagat gttgtcctaa gcgatatgtc cgctccctgg ttccaaacag 120
 cgggggtttgg gaaaagaagt ctaagtgate cgtataacag gatgatgaac acaagcggta 180
 ttagtttcaa agaccatgca ggtagtatgg atctttgcca cgcagctttg cagttcagcc 240
 aagaagttct ccgcaactgga gggcacttctg tctgcaaatt ttaccaagga gccgaagata 300
 aggccctaga ggaacagctc aggaatattt ttccggaaagt ccaccgctta aaccggaatc 360
 gtcgcgcaat gaatccaaga atcttattca ttggtctcgg tcgaaatagt acccagagtc 420
 agcattaaac cggcttagtc atntctcttc tgntgaatcg aattcctatc catctacgta 480
 gcaagtgaag ctttgnntga acatgcactt gggatattgc agtgaattgc ctaagcnaaa 540
 ggacaaggaa ttccgangtg cttggagttc atacatngna ggccaaaaag gctcttgaaa 600
 aatgttaaca acct 614

<210> 3950
 <211> 587
 <212> DNA
 <213> *Aspergillus niger*

<400> 3950
 tgtctatcga cgatgatacc atcgttgtag catcatacat cgcttttgaa ccaagttcaa 60
 agcctccgcc aaagatccag accagcacag gcagcttcga gtccgcggtg gtcccggccg 120
 gacgccgaat gtcaatgttc aggcaatcct cgagagcatt ggtagccgac tgtaccaaag 180
 ggagatcagc gaggaggcca atgaccgatg tcgggaattc gctctcatcc gtggtgaagt 240
 acatctgcgg acacgattgc gaggctcctg tggcctgaac agtgccgagg gcagtttcca 300
 atggttttgtg ggggttcaga cgcagcgagc ctgtgggggc ctgcgcaaag ggaatattgt 360
 tgaagctctc gacattgcca gatcttccaa tgacggtggc cgatggatgc gcaatagtga 420
 cagtaggagc tgcctccggt tgaactggag tcgcccagac ggcgagggaa agggagagcc 480
 aaaggagggg ctctcatgat gccatgatct gtaccgctat gggctcatagg ctctcggatc 540
 gggctgggag taactctata tacagttcca tttttcacia aaaaaaa 587

<210> 3951
 <211> 640
 <212> DNA
 <213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(640)

<223> n = A,T,C or G

<400> 3951

ctgaatctta	ataatgtcac	gacacgcccc	agtggaggag	gtgtacgact	ccgacccgga	60
ggaagtgtgt	ccctccgatt	cctcgcccg	caactttggc	aatgagtccc	tcctttctgg	120
aaccggagta	cctatgtctg	gtcancacc	catgagancc	gctcccgaac	ctcagcgcg	180
aatccccaag	cgttaccagt	gcctgtatcc	gatatacttc	gacaagtcgc	ggacccgcgc	240
ggagggccgc	aaggtcggag	gtgagctggc	ggttgagaac	ccgctagcga	gggacattgt	300
cgatgcggtg	caaagtgttg	ggctgaatgt	cgggttcgag	cctgagaagc	tgcacccgaa	360
agactggggc	aacctgggac	gtgtgcgcgt	tttgtgaag	aacgaggatg	gcaaattggg	420
taactcgagg	atcaagaaca	agcaacacct	ttacatcctc	gtgggcgcaa	tacctcaagg	480
ntcaccctac	caccgaaaga	atccccctac	cgtcntagaa	ttcgaggact	ccctatgccc	540
gatataaactg	cattgctggc	ctgacgctcc	ccgcgggatg	gaanthcgga	aagattctgc	600
cgatataact	ctcgggctta	nancggtggt	gggagtcacn			640

<210> 3952

<211> 316

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(316)

<223> n = A,T,C or G

<400> 3952

atcagtgttg	cttctcggtt	gattccccgc	tgtgtgtctc	gtcgtccaag	gacacaacgc	60
tgaaggatat	gaatgtgagg	acgggcaagt	tgcaagagga	tctgcggggc	cacaaggacg	120
agggtgtttg	agtagatttg	agtcgggatg	gacagaagg	gggaagtggc	gggaaagaca	180
angcgggtcg	gatatggagg	aattagatac	cacacagcgt	attaagttat	ctaacttcgt	240
actatactag	tatactacta	tagaacgcac	gacactgtta	tgactgacaa	tatcataata	300
acaacaacat	aacacc					316

<210> 3953

<211> 584

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc feature

<222> (1)...(584)

<223> n = A,T,C or G

<400> 3953

agtgaacgtg	ccattccact	aagatcatgg	atagtctaca	cggttttttt	cgttacagtc	60
aatctttctc	acaaatgggc	ctttgcatac	aagatttcag	tcctgttgca	cattattcta	120
agatccgggg	ggcagtagc	gtctatgatt	atgggttaac	tgtttaatgc	taagaqatat	180
tcggaggggc	aaatacttgc	ggttctattg	cttacttttg	gtgtggtcac	tgctgttttg	240
gcagatgcac	aggctaaggg	ccaatctatg	aatgttgaga	gcactctctg	aaccacgaca	300
ttgggttgat	tcaccatcct	tgtcttagcg	atgatactct	cggttttcca	ggggatatat	360
goggacaggg	ctctacgaaa	gtccggncga	gaccactgga	aagaactctg	gtctactcta	420
caccttatca	ctaccgtgnt	ctaccttcta	tgcacaaact	gcgaqccagt	qccggacgct	480
tttccacac	atccttaact	tctgggcctg	aagttttggc	atgactggaa	tggtcttcca	540
gcacatgcac	atnggcgggt	cttgaaagct	taagttcttg	gaga		584

<210> 3954

<211> 466

<212> DNA

<213> *Aspergillus niger*

<400> 3954

gagaagtaac	gagcagtaac	agcggttgctg	gccttgctgg	ctccgttctc	gaccgtgggt	60
ctgtcaccaa	gttcgtcccc	tacctcggtg	ctggtgtcca	gcactccctg	caggacattg	120
gtgtcaagag	ccttaaggct	ctgcacgagg	gtgtggacaa	cggaactgtc	cgcttcgaga	180
tgagaagtgc	cagcgccatg	gccgagggtg	acgtccacgg	tctccacagc	tacgacaaga	240
agctctactc	ttaaagtggta	aaagcttaag	agccaaaagt	tcttgtttat	ttccttatag	300
tttttttttt	atatcaagag	cctttctgtt	gatacgtttt	gttacatgat	gatatgtggc	360
tgttacgaaa	acaaaagctc	gggcatgggg	aacaggagtt	cgacttgccg	tgacgcaccg	420
acttggttag	ggttattcaa	tgcattacgc	ctttttcgat	gattct		466

<210> 3955

<211> 338

<212> DNA

<213> *Aspergillus niger*

<400> 3955

acagtgcacat	accagagcgg	gtcgtgggtgc	tgggtcttgct	agcagtcgcg	gtgggtcttgc	60
tggtcgaggt	cacgctgccg	gctgggtgagt	cgtttgagta	caagtttatc	cgcatcgaga	120
gcgatgactc	cgtggagtg	gagagtgate	ccaaccgaga	atacaccgtt	cctcaggcgt	180
gcggaacgtc	gaccgcgacg	gtgactgaca	cctggcggtg	gacaatcaat	ccatttcgct	240
atagttaaag	gatggggatg	agggcaattg	gttatatgat	catgtatgta	gtgggtgtgc	300
ataatagtag	tgaaatggaa	gccaaagtc	gtgattgt			338

<210> 3956

<211> 337

<212> DNA

<213> *Aspergillus niger*

<400> 3956

tgggttttate	tccgccgcgg	agctgcgcca	cgtcattgacc	tccattggcg	agaagctcac	60
cgacgacgaa	gtcgatgaga	tgatccgtga	ggcggaccag	gacggtgatg	gccgcatcga	120
ctacaacgag	ttcgccagc	tcatgatgca	aaaataaacg	gttcttcatg	ttctatttgt	180
cttgtgttag	cggaaagggt	ggggagcaat	gaaatatact	ccacaatgtc	ccatcttcta	240
tcccatcccg	tccctttag	tctcatcatt	tggctatgac	tcttattcat	cttaatggtc	300
gagcgcttcg	cattaccaat	gttggttcta	atgttgc			337

<210> 3957

<211> 522

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(522)

<223> n = A,T,C or G

<400> 3957

cttcacccca	ccccctcca	atcaacaccc	caagtttctt	ttttaagggt	actatacctt	60
caatctatca	caatgggtgc	cattcctgaa	gttgaccccg	atgagcccg	cgagaccaag	120
cccttcaagt	tctgtactgc	tggctatgac	gctcggttcc	cccagcagaa	ccagaccaag	180
cactgctggc	agaactacgt	cgactaccac	aagtgtgtca	ccgccaagg	cgaggacttc	240
cgcccatgcc	gtcagttcta	ccacgccttc	cgctctctct	gcccgaagg	tggactgaca	300
gatgggaagg	ccagcgcgag	gctggtaact	tcccgcctgt	ctcgaccggt	agacgcatta	360
actactttgt	tcacagttaa	atttgaaagt	tcaaagttgt	tttcgtgtgt	cttcttgtca	420
ctgtcaacgt	gtactctaac	ctttaagttg	gatccggcga	gaattgnnag	ctctgactcc	480
ccagacacaa	ttcggtcggg	tgggagacga	agtgtatata	ga		522

<210> 3958
 <211> 601
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(601)
 <223> n = A,T,C or G

```
<400> 3958
atggccttgc gagccttctt ctcggttgca gagtggatgg tgacagcggc accaccgggg      60
atggtgggct catcgccagc ctcagactcg gcctgaagca cgttcccggc atcaactcgtg      120
tcactctccg tcgtcccaag aacatccttt tcgtcatcaa ccagcccgat gtctaccggt      180
ccccctccag caacacctgg atcatcttcg gtgaggccaa gatcgaggac ctgaacgcca      240
cggcccaaggc taccgctgca cagcagcctg ctgagggtgc tgcacaacgag caccgtgggtc      300
acgaccacga gcacgaccac ggcaaggggc aggcacccga ggctgaggcc aagaaggagg      360
aggaagagga tgatggcgag gaggtcgatg agtctgggtc tgaggctaag gacatcgaac      420
tggttatggc ccaggctaag gtgtcccgcg agaaggccgt caaggctctt cgggagaacg      480
acaacgatat cgtcaacttc atcatggctc taacatatga acaccgncgg aatgaacgca      540
tgaatcgggtg gctgccgtct cttggcctgc tgcangatgg attttgggtg ccangtcaga      600
t                                                                 601
```

<210> 3959
 <211> 602
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(602)
 <223> n = A,T,C or G

```
<400> 3959
cttcaaccgt ggttttcgaca gctccaaggc cgagtacgtc gacatgatct ccaccgggtat      60
cgtcgatccc ctcaagggtg tccgcacctc tctgggttgac gccagcgggtg ttgcctccct      120
cctcggtacc accgaggttg ccacgcttga ggcccctgag gagaaggggc ctgctcctgc      180
cgggtggcatg ggtggcatgg gcgggtatgg cggcattggc ggtggcatgt tctaagctag      240
ccccgttctc gtgtagcctt ccccgcttct tgtttctaaa gaggtttccc ttccagcgtg      300
ttgttgcata gtacgggcat tgctctgata tgttttttct ttgttcttgg ttttcgacta      360
tctcttttgt ctctaattgt ttatacgtct ttggtcacct aaccacatcc tctttttaccc      420
gacctatcct aattccacct cttaaatcct ctctcccttc ancatctcca ctccgttata      480
ttgggcacaa aaagtctcaa ggagtcctgt gtatcatacc atgtacttta agtgctccaa      540
gggcgtttac tctgccgtgg tgttttgcaa attcaataat taaattgttc aatgaaaaaa      600
aa                                                                 602
```

<210> 3960
 <211> 560
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(560)
 <223> n = A,T,C or G

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<400> 3960
gcagctctcc tccgtcgaac agctacatca gacagtcaaa atggctccta ccagaaagaa      60
gtggtccaag ggcaagggtc aggacaaggc ccagcacgcc gtcgtcctcg agaagcagg      120
cgctgagcgt ctcaacaagg atgtccagtc ctaccgtctg atcaactgct ccactctggt      180
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cgaccgtctc	aagatcaacg	gcagcttggc	ccgccagtgc	cttgetgacc	ttgaggagaa	240
gggacagatc	aagaaggttg	ttggctactc	caagatgaac	gtctacaccc	gcgccgtcac	300
cgccgagtaa	acgtatgacg	ctatgaatat	ttttcctcgc	gcgtcgcat	tttctttgtg	360
caacgatatg	atatcactcg	aatgaaaatt	cggaaagtag	ggctgggcca	tttgatggac	420
atgtcatgtt	agaatatgac	tgactggaat	tcaaccmaaa	tctgttccaa	aaaaaaaaaa	480
aaaaaaaaatt	ctgnngggccg	ttcaacctgc	ttttanaggg	ccaattcgcc	ctttagnngag	540
tcgattacaa	tcactggccg					560

<210> 3961

<211> 626

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(626)

<223> n = A,T,C or G

<400> 3961

aaattatcaa	caccgtcttc	ccggagtctg	tgcaccgaaa	gccttcgcca	tgggcggtat	60
cnatgttcaa	ggttgctcaa	tgggaactgg	gttnaagntg	gccgcgttgt	gctgatccgc	120
anccgtcctt	acaccggcaa	gctcgetgcc	attgttgaga	ttgtcgacca	caagcgtgtc	180
ttggctcgacg	gtccctccac	cgaggagcag	aagatcgttc	cccgccacgt	ccttctcttc	240
tcccacgcca	ccctcactca	cttcgtcctc	ccccgtttgc	ccogtgcctg	cggtaactggc	300
cccgtaaga	agctttggca	gaaggaggag	atcgatggca	agtgggcca	gtccaacttc	360
gcccagaaga	ccgagcgcgc	tgagcgcagg	aagaacctgt	ccgacttcga	gcgcttcaag	420
gtctctcgcc	tccggaagca	ngctcgtac	gaggctccaga	aggctcacgc	taagctcang	480
ggggctgctc	ctaagtcata	gacggttcat	gaggctcggt	gcataagagt	acaaggttgc	540
cttgggacgg	ggttatttgc	tgangnttaa	tttattttca	agcaaaatgg	gctgtacgca	600
tantgacaag	cataaaaaatg	attcaa				626

<210> 3962

<211> 358

<212> DNA

<213> *Aspergillus niger*

<400> 3962

caacgtccgt	gccattgaga	tgcacggtct	tgtctggggg	gcctccaagt	ttgttgccgt	60
cggttacggt	atcaagaagc	tccagatcaa	ccttgctcgt	gaggacgaga	aggtctccct	120
tgatgagctc	caggctcaga	tgcaggagga	cgaggaccac	gtccagtcga	ccgatgttgc	180
tgccatgcag	aagctgtaag	cggaacgttt	aatgatgaag	ataaatggcg	tgatgatgga	240
ttatttgatg	ctatcccacg	gaaatatact	gtcatgaact	tgaataaccc	aagccgattg	300
gjjacacccc	tccgcataac	gaatccaaaa	acccaaaata	atmcccaaaa	wamaaaaa	358

<210> 3963

<211> 633

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(633)

<223> n = A,T,C or G

<400> 3963

cttcaacgcb	cagcgacgac	aaaccgcccag	ccaaacacccg	tctcctcccc	aggtttctct	60
cgctcagat	tcaagatgac	tcaagagtc	gttttggtaca	gccggccccg	caagttcggc	120
aagggttccc	gtttcttgcg	tgtctgctcc	caccgcgccg	gtctgatccg	caagtaacggg	180
atgaacatct	gcgcgcagtg	cttcgctgag	aagtcctctg	acatcggttt	ccacaagtac	240
cgttaaatcg	aattcttctc	ctcgatccca	tttttccggt	attcacgacg	atgattcggt	300

aaaacgtgct	cgtggcgctt	cgattctctc	acatatcacc	caaattaaaa	ccgacaatcc	360
cccacagtct	catgtcgggg	tttagcggag	gaagaaaaca	gggggatacg	gtagcctctt	420
ttttctttta	ccagtgtgtg	tgtgaaatcg	aaacgcaaat	gaaatccgaa	ccgggcttgc	480
tttcaatgga	atgaaataaa	atgggtgttt	tccttttggt	ccagggtggaa	taatcctttt	540
aaaatgagga	ananatggga	nttgagatta	tagagacgtg	tgtgttaagt	tgtggctggt	600
gtggancgtc	ttaaagaaan	ggggtctttg	tcc			633

<210> 3964

<211> 485

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(485)

<223> n = A,T,C or G

<400> 3964

tctcacgcct	catctctcac	tccccacatc	gcgtttttcg	tcgtcgattc	tcctcgcata	60
tcttcacaat	gggtggccat	ctcgatccta	agaatggagt	cttcctcggc	tgggtggggtg	120
atctcggatg	ccctactccc	cagcgtgtga	cctcctactc	catgtccctt	aaccgccagc	180
gcccctcttg	tgggtgccgg	cacgccgcca	tcttcaacgt	tttccgcaga	ttcagacacc	240
aggtcctcta	cgctcgctct	cccttcattg	ccgcctacgc	catcatgaac	tgggctgttg	300
agaggaacga	gtacctcaac	tccaagcctg	gcccctctct	cgagggtggt	gaagagtaaa	360
tgtaacgtgc	cagctcggag	gatcttggn	gaaagggatg	acatanggca	atatgaaagg	420
gctggatgtg	tgattgcact	gtacagtaac	tagaagcaat	cgagtatgtt	gcaatgaaaa	480
aaaaa						485

<210> 3965

<211> 517

<212> DNA

<213> *Aspergillus niger*

<400> 3965

ctccgtcgtc	gccaacccgc	agtcgtccca	accgtcgtga	tggcgcaaga	acgttccgga	60
atcgtggtcg	gtctgaacaa	gggccacaaa	accacccccc	tcaacacccc	caagaccggg	120
atcagccgta	ccaagggcca	gtcttcccg	cgcacggcct	tcgttcgtga	gatcgcccg	180
gaggttggtc	gtcttgcccc	ctatgagcgt	cgtatcatcg	aactcctgag	aaacactcag	240
gacaagcgcg	ctcgtaagct	cgccaagaag	agactcggta	ccttcggccg	tggcaagaga	300
aaggtcggag	acatgcagcg	ggtcatcgcc	gagggccggc	gcactggcgc	tcactaaact	360
ttccatttct	ctctccaaat	atctcctgtt	tccagtttct	tctctctcct	attagccaag	420
aatgagataa	cgaaaacatc	ccacacccaa	ccccaacaaa	tgaatatgaa	gtgaaagtga	480
gaaacaaaaa	ccatgtttca	atacaaaaaa	aaaaaat			517

<210> 3966

<211> 564

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(564)

<223> n = A,T,C or G

<400> 3966

aacatctctg	caacggaaaa	tccttttaca	tgtcgacgac	tcaattctgg	tccacgcctc	60
tccgtacacct	ccgttgggct	tctcacgaac	gtcccgtctat	cttctactcc	cttattatcg	120
gtccatcggg	ccccgttgcc	ctcgtcggat	tgcccccgct	cagacgtgcc	ttgggtgacg	180
ttgacccgga	gactatcccc	atgtcttata	ccatccccct	cggccccgcg	acattcccca	240
aggggttacga	tgacgagtaa	atcacctcat	ccqgqatata	ccqatataga	aaggataggg	300

tggaaggact	tgcgtagccg	acgactagct	ctacattgaa	tgatgagcca	agtgtgactc	360
cggcgcggat	agaatagaag	aaagggaggg	tgtaaatcaa	cgagcaagta	tcggcggggc	420
tcgcttgccc	ggangtagct	tgactggatc	tggttatctt	ctctacgtac	atgcgcctcg	480
gcttcttcta	cggcatgtta	tacccttgng	cttttgtaag	gaaggggtaa	aggtgatgta	540
agtggggtat	ganangtgtg	gggg				564

<210> 3967
 <211> 648
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(648)
 <223> n = A,T,C or G

ccccgtcccc	cttcaacgcc	cagcgacgac	aaaccgcccag	ccaaacacccg	tctcatcccc	60
aggtttctct	cgcctcagat	tcaagatgac	tcacgagtc	gtttggtaca	gccggccccc	120
caagttcggc	aagggttccc	gttcttgccc	tgtctgtccc	caccgcgccc	gtctgatccc	180
caagtacggg	atgaacatct	gccgtcagtg	cttcgctgag	aagtcctctg	acatcggttt	240
ccacaagtac	cgttaaattc	aatcttcttc	ctcgatcccc	ttttccggtt	attcacgacg	300
atgattcggt	aaaacgtgct	cgtggcgctt	cgattctctc	acatatcacc	caaattaaaa	360
ccgacaatcc	cccacagtct	catgtcgggg	tttagcggag	gaagaaaaca	gggggatacg	420
gtagcctctt	ttttctttta	ccartgtgtg	tgtgaaatcg	aaacgcaaat	gaaatccgaa	480
ccgggcttgc	tttcaatggr	atgaaataaa	atggtgtttt	tcttttggtt	caggtggaat	540
attcttttta	aaatgaggaa	gagatgggat	ttgagattat	agagacgtgt	gtgttangtt	600
gtggctgggt	tggaccgtct	taaagaaagg	gtgtcttttg	cgaaaaaa		648

<210> 3968
 <211> 632
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

ttttcttctc	ccagtcgttt	ctcaagtcga	ccagcttctc	cttctcgtcc	gtctctctgc	60
cggtgttcta	gcgcgtagtt	ccgatcttcc	caagcggcaa	acagttttca	gtctcatcgt	120
ttccattcct	tctacaacaa	tggecgactc	cggagaggct	cccgcggctg	tcgagcacct	180
caacatcaag	gttacggata	acaacaacga	agtgttcttc	aagatcaagc	gcacaaccca	240
gttgaagaag	ttgatggacg	cgttctgcga	aaggcaagga	aagcagcctt	cgacggttcg	300
gttctctgtt	gatggcacc	gcgtgcgccc	tgaagatacg	ccgatactc	tcgagatggc	360
cgatggggac	actctcgaag	tgcaccagga	acanatcggt	ggctagatag	cataatattc	420
ttcgatgaat	tatgattatt	atgtccttca	aaatacatta	ccaagccccg	ttgtctttct	480
cacttcaact	actacettac	ntttttttcc	cgancaccct	tcgatctgtt	tcttccgttc	540
tatgaataca	acacaangcg	caacaagggt	ttctacttgg	ttgatgggtc	cgagcggggg	600
ctgggatttg	ggagaacgta	aagatnatga	an			632

<210> 3969
 <211> 571
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(571)

<223> n = A,T,C or G

<400> 3969

cagaatccct	ccttggttga	tctgaaggct	agattttatc	gccaagatgg	gtaagggttca	60
cggatcgctc	gctcgtgccg	gtaagggtcaa	gagcgcaacc	cccaagggtg	agaagcagga	120
gaagcccaag	agccccaagg	gccgtgcccg	caagagactc	gtctacactc	gccgtttcgt	180
caacgttacc	ctgaccggtg	gcaagcgcaa	gatgaacgcc	aacccccacc	agtaaaccgc	240
taaatcttcg	atgaacaacc	gcaaaaacgac	gaacgattcc	ccgggtttca	aatggcgtga	300
tgggaaattg	aggggctgag	caaaaccatg	tgatgcgtat	ctcatcacia	agtcgcttgg	360
aaagaggggg	gaaggcatcc	cttcgttttc	tcttttcaag	cgggggcccc	tttagtgatg	420
tttttaaagc	tatttatcga	ctcacctttt	gtgtgtggaa	acgggttttc	aaatggnatg	480
accttccaga	tgattgattc	atgttcctcg	agtttatcgg	attaatattg	gggatgaata	540
ncatcgctgt	tcaatctctc	aaaaaaaaaa	a			571

<210> 3970

<211> 721

<212> DNA

<213> *Aspergillus niger*

<400> 3970

gccagtcct	acaactcagct	cgccgtcgcg	acaagtcttc	aagatgccga	gccacaagag	60
tttcgcgacc	aagcagaagc	ttgccaaagc	tcagagacag	aaccgtccta	tccccagtg	120
gattcgtctc	aggaccggta	acaccatcag	atacaacgcc	aagcgtaggc	actggcgcaa	180
gtcccgctctc	ggagctctaa	tccgtccttt	ggaaccacac	acaccaaccg	actttttcga	240
ttccgccccg	agaaatgtct	ctgtccacct	gctgctttcc	cgggggaaaa	tgtttcgttc	300
agttgctgtg	ataccgctgc	caacatcaac	aactcttggt	tgccgctact	gctcgcgatg	360
ataaaaaaag	aacaaaaaat	ccacttgcat	cattatagat	tatgttgctc	caaatcaaaa	420
cccgtctttt	gagagaagtc	cgtttgatcc	tctactgttt	tcctttacat	atctctctct	480
ttcccgcata	aaccgattcg	gggacaattt	tgctggcttg	ctatccacta	tgcggttagt	540
tcgttaagca	tgggaagggg	agaagtgtgc	ataagcgggt	gaaatatttt	tcgktttggt	600
ttcttctttg	ataggggggt	taaactggtc	tgtggtgggt	cagtgggtgc	ttctgcaaga	660
tgtgtgtcac	gaactgaaag	gaacgacaaa	aatcgaaaat	tcatgatggg	ttaaaaaaaa	720
a						721

<210> 3971

<211> 380

<212> DNA

<213> *Aspergillus niger*

<400> 3971

ctcaaagcct	gagaatgggg	cagattacgc	gcttgactca	tcagttcggt	ggaaagggtg	60
tggatatcag	taccaacaac	tgcattgttg	aggtctccgc	caaaccctcc	cgtatcgact	120
cccttcagaa	gtctcctcgc	cccttcgggtg	tcctcgagtc	cacccgtaac	ggctctgatg	180
ctctgccccg	gtctcctctc	ttcgagccta	gcgaggagat	cgagaaggac	gccgctgacg	240
ttgttgacgc	cagcaccctt	cccccggtt	aaatgtaatc	gtctgtgcgc	ttttacttat	300
ctatccatta	tctatatccc	tcaatgtaaa	aagcacaacc	acaatgtatt	tcatccatat	360
ttcttttgcaa	aaaaaaaaaa					380

<210> 3972

<211> 541

<212> DNA

<213> *Aspergillus niger*

<400> 3972

cgccctccatt	gacacctcag	catccattcc	ttcggtttccg	tcaaaaatgto	cgaccagggtg	60
caagagctcc	ttaacgtccc	tcgggagttc	ctcaggggaag	gogtgacgtt	cgtcaaccgcg	120
agccagaagc	cggacaagcg	cgagttcctc	aagatcagcc	aggctgtcgg	tactgggtttc	180
ctgatcatgg	gattccatcg	ttacatcgtg	aagctgatcc	acatccccgt	taacaacgtc	240
cttgtcgggtg	gcgcgtaaac	gaacaatcca	tcctcctttc	tatccgggtg	caagcgaaga	300
aagaataata	aggccatgtc	cttatttttg	ccaaatcgcg	agctagggtg	cgcctgcgat	360

gcgatcttca	aaacaagcgt	gtaacattat	acccgcctga	tggatgagca	gactgcgatg	420
acggcattgt	agtctcgctc	aacgcggagg	ccarccgttg	gaattggata	tgtgcataat	480
tagtctgggc	argcgtagg	gtgtgctggt	aatatatcca	ttgaactcat	ggsaarmaaa	540
a						541

<210> 3973
 <211> 602
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(602)
 <223> n = A,T,C or G

<400> 3973	
ctttggagac	cccgccccc
cgacaactac	tggttaatcg
cgccccctgcg	ctgttcggca
gcccccccc	aaatgctctt
gcatttgaaa	atcactcatg
ctaccaatgg	gccacccagt
gcaaagactt	cttccacaca
aaacacatcc	ataacggggt
gantgccaga	gaagaggtgg
nttaccggaa	antgtgaacn
tt	

<210> 3974
 <211> 551
 <212> DNA
 <213> Aspergillus niger

<400> 3974	
ggtagaagtt	tgctttcgtc
tcattctgggg	caaggttacc
gccacaacct	cccccccaag
acatctaaat	gacgccccct
ggctcgggcaa	ggagtcgacg
tgctcgtggg	agaggcaggg
tctttttttt	agcatgggta
atccccgggt	ttattctcat
ggctccccgt	gtatctgatg
aaaaaaaaaa	c

<210> 3975
 <211> 525
 <212> DNA
 <213> Aspergillus niger

<400> 3975	
tcctcagggc	cgccaaacggc
tcttcaagga	ccagggtggt
ttgagaagat	ccacgaggtt
ccctcgggtga	cctcaagaag
aaatgggttt	tgaatcrgat
tttctccct	gtataacagt
atccccatct	cacatttggc
aatgagtttt	gaggagcctg
aataagaaaa	atctaattgat

<210> 3976
 <211> 617
 <212> DNA
 <213> *Aspergillus niger*

<400> 3976
 atgggtcctc cgagccatgc atcatcggcc ggtcttgaaa gcatcagttc ctcggaagag 60
 tcgtgcgagg gatggcattt tgcgtcaata ttccgcagtc tatcggggca gaatccgatt 120
 ttgaaagata cttttcaatt aactcaatc ttacagtggt ttccaacacg cgtaatctac 180
 cttttgatta atgcactgac gcagtacttg tgcatacgag gagtccacct cctctctgca 240
 aaatcgtctt ctttgactgt caccgttggt ctgaatatc ggaagcttgt ttccctcctc 300
 ctctccatct atctgtttgg gaatgccctt tcaccgggtg tgcctcatgg cgcggttggt 360
 gttttcattg gcggcgccct atatggcttt gaggggtgcg gcccagggt gaaatctgct 420
 aaaaatgatt aaggcagtc tgtttcgcta gaattgtctt ccccgctctt gttacggctg 480
 qaauggtgtt ccagacggta aagatagaaa gatgnatata tatttatata cgtctgctg 540
 tgttgtgtgt tegtatgtgt gtcccagcgg ttgcttcgag ctttatgact atgaatatat 600
 acattaagaa tgcaaaa 617

<210> 3977
 <211> 543
 <212> DNA
 <213> *Aspergillus niger*

<400> 3977
 cttcgagacc tctctcctgg tctccgggtt caccattgag gagcccgcga gcttcgctga 60
 gcgcacccac aagctcgtct ccttggtct gaacatcgac gaggaggctg agaccaccga 120
 ggagaaggct gctgaggagg ctgcccctgc cgcgcgcgt gccgagagct ccatggagga 180
 ggttgactaa atgttgaccg catgatgtca cgatcttctt ttcgagcaaa atggaaatga 240
 gatgtaactg atttgtgatg acccggaac tgttcagcg gtatttgcac cagggatcta 300
 atattcattg aacgatattg cgttattaat cggaacggca aaggaaccct ttttcctttg 360
 atccttttct tgtctttttt ctttattact gaattacgaa ttctaccttt ttcttttttt 420
 tctttcggcg ttttgagcgt ttattacccc caacctaaat acagtcgcgt tgatacgctt 480
 gtggtgtcaa gtatggtaga cttatcttga gaataaaagc tttctctggt caaaaaaaaa 540
 aaa 543

<210> 3978
 <211> 332
 <212> DNA
 <213> *Aspergillus niger*

<400> 3978
 cagggttggtt caacgcgcgt cttgagggtt cccgnaagta cctcttcggt gccagggcgg 60
 tctacggtgc caactacgac tgtgtcatcc aggggtgtctt cctgggtccgc ggccaggact 120
 cccagcccgc tttcgaggtc ggccccgact gggagagcta cgagttccgc aagctcgacc 180
 acaccaaccc cgaggaccgc aagctcatcg aggaccagtg ggcttgggat gtccccgctg 240
 tcattgacgg caaggagtac ccttcgctg acggccacgt cttcaaataa gctggtgcgt 300
 tagacgtagc caattcatga tgatgatata cc 332

<210> 3979
 <211> 561
 <212> DNA
 <213> *Aspergillus niger*

<214>
 <221> misc_feature
 <222> (1)...(561)
 <223> n = A,T,C or G

<400> 3979

ctgcaacgcc	atgggtccccg	gtctctctg	tggcaagatg	agctccagt	aagaagacag	60
caagatcgac	ctcctcgaat	cggttgacag	catcaagaag	aagatccgca	aagcgcaggc	120
cgctcccaag	gaaatcgaca	acaacggtat	cctcgcccttc	gtccagtagc	tcctgttgcc	180
ggtgtccgcc	ctgaagactg	gcaagccgga	gttccgcgtc	ccccgtgatc	gcgacggcct	240
ggagcctctg	gtgtacaccg	acatcgagaa	gatgcacgaa	gactacaaga	acgacattct	300
ctccccccaa	atcctcaagc	ccgcgctcgc	cgacgccatc	gtcgagctta	ccgccccatc	360
cgcgcgggct	tgcacgcaac	cccgactggc	aggaagtcac	gcttgaagct	taccgcctcg	420
gcccgaacag	aagaaggaga	agaacagaag	acaagggttt	cntaccttgt	gccgtaagan	480
gaacccttag	ccggtgacat	agacgtaatt	gatcggttaa	actnctaata	gtntggcttt	540
tttttttngn	gaaaaaaaaa	a				561

<210> 3980

<211> 392

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 3980

atcctgccac	gcccctggag	ctgtctcggg	cgcgactctg	catctcagcc	gcccacacca	60
aagacgacct	ggatcgcatc	ctgcaggcgt	gcgatgaaat	cggcgatgcg	ttggagctga	120
aattctcttc	gggcattgca	ggtggcttga	gggaaccatt	gtctgcgcac	gatagctcca	180
agggacccag	gacgattgag	cctccccggt	ggcctctcga	agaggtcatt	gccaggggca	240
cgcacgacgc	aaatcaaccg	ttatactaag	cggatgtcac	cgcttaatgt	gactagaaat	300
aagatattct	aacgcgcgat	gatattcaaa	gaatatncac	gcccagaaca	tattacttaa	360
ngccctcttt	tttttttttg	gaaaaaaaaa	aa			392

<210> 3981

<211> 230

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(230)

<223> n = A,T,C or G

<400> 3981

nggaatttta	aggttttacac	ctataaaaaga	naragccggt	atcgncckgtt	tgtggatgta	60
cagagtgata	ttatttgaca	ccccgggggn	acggatgggt	atccccctgg	ccagtgcacg	120
tctgctgtca	aaaaaatctc	cccgtagaact	ttacccgggg	gggcawawyc	ggggataaaag	180
ctgggggcat	gttgaccacc	gattggccaa	ttttgcccgg	tccccgttat		230

<210> 3982

<211> 428

<212> DNA

<213> Aspergillus niger

<400> 3982

gtcctagttc	acctgctagc	gtcaagatcc	tacaagatga	gtacatcgc	ccgcgcgggt	60
ctctcgacct	tgatccctcc	caagatcgct	tcccccaacg	cgatcggtgc	tgccaaggat	120
gtgcccqca	tggaccgtgt	cgtgaacttc	tacgcacagc	tcccccggtg	tgtgcccct	180
gaagttaaag	ccacccggcat	catcggtcgt	taccaggctc	gtactttcgg	aaagaacccc	240
tccgctgctc	ccctcgctca	cggcatcggt	accatcctga	tcttgggcta	cagcatggag	300
tactacttcc	acctccgcga	ccacaagaac	cacccccact	aagcagctcg	ctttttgggt	360
tctggggagc	ggagatcctg	tgtatatacc	acacactcta	caatgaagac	gatgtagaag	420
aatcaaaa						428

<210> 3983
 <211> 417
 <212> DNA
 <213> *Aspergillus niger*

<400> 3983
 gttcgtgtcc ctgaagggtg gatactcgca cccgattgag ctgggtatcc cccagggcgt 60
 caaggccagc acaccccagc cgactcgtat cctgttggag agtgtggaca agcagcttgt 120
 gaccaagtcc gcggcggaga tccgcgaatg gcgcaagccg gaaccttaca agggcaaggg 180
 tatcttcgtc aacggggaga cgatcaagct caaggacaag aagattcggg gaaattggcg 240
 tctatatctt gggggaaacga aactgtgttt attatttctg tacatgtata tccgagcacg 300
 gttcttttgg ttcgcaattg gtatcctttc tttttatgta ctttttagacg catctagcgt 360
 gcacgggtcg acaggactga tcgagaatct attacattca tgatagaaaa aaaaaaa 417

<210> 3984
 <211> 390
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 3984
 caggagtga gacgcggcat ttcagtata tcttgtccga gctgaagcag gcgctggaga 60
 tacatcgtgc ggccgggtcg ttcttgggtg gaatgcattt ggagttgacg ggccgagcgg 120
 tgacggagtg tgtgggtggt gctggagggt tgacagagga gggcctgagt gaggcgtata 180
 cgacgttctg tgatcccagg ttgaatgaga agcaggcgtt ggagttggcg tttttggtgg 240
 cgggatttta tagggagtgg gatgaggagt tggcggagga tgaatctata taaccacac 300
 cctttttttt ttggagtggg aaaatgggtat ggatagtaag agtaagggtc ttatgaaatt 360
 aatataatgt ttcnggttat aaaaaaaaaa 390

<210> 3985
 <211> 438
 <212> DNA
 <213> *Aspergillus niger*

<400> 3985
 tggaaatgca actccctcaa tgcgccttca atgaaggcgg cccagcgact gggattcgtc 60
 tatgagggca ccttccggca gcacatggtg gtcaagggtc gaaatcgga taccgcctgg 120
 ttgcgaatgg ttcgcgatga ctgggaggaa ggggccaaag aagcgcctga acagtggctg 180
 gaggagggga actttgacca agatggtcat cagaagaagg ggctccagga tgtgcgagag 240
 gcattgaagc gatcgagatc tgtacagcaa tagaacatgg cgatagatcg actacagcga 300
 tattattgag atcaaaaagtc gcgtggtggc agggtagtgt aatggcaatc agcccagatg 360
 atattcctgc agatatctaa taagttatgt ctagataaga taaatagatc tccaatatat 420
 atgattatag acatataa 438

<210> 3986
 <211> 446
 <212> DNA
 <213> *Aspergillus niger*

<400> 3986
 cctcgtcaac cgtctgttag ttgcgacaaa tccgacaaga tggcgaagtc caagaacggc 60
 tctcagcacc ataacagcca gaaggctcac cgtaacggka tcaagaagcc caagacccac 120
 cgttaccctt cctcaagggt tgtcgacccc aagttccgcc gcaaccacag acacgccctt 180
 cacggaaccg ctaaggctct gaaggagcgc aaggagggca agcgcgagat cgcataaatt 240
 acttccaact aatatagaaa cgttttaaaa gaaatgaaag cgatttgagt tggttgattt 300

gctttgttcc	tttctaccg	acaaacgacg	acaaaggact	ggtcgagaat	acatggatga	360
ggatatcaca	tcccgtcggg	ttacccccga	agaccgggtt	tgtcacataa	agcaaattga	420
ttcggttctc	tagtgaaaaa	aaaaaa				446

<210> 3987
 <211> 618
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(618)
 <223> n = A,T,C or G

<400> 3987						
cgctcattca	agcattcttt	ctccgtctct	ctttctgaac	acttatcttc	gctacaagaa	60
cactcggtca	aattttccaa	tacctttcaa	aatgaagttc	gctgtcgtcg	ctatccttgg	120
cttcgccatg	actgccgttg	ctatcccggc	cgccaagtca	agccagcaga	agctgtccat	180
tgatgacgct	tccgggtcaat	gctcgattgg	ggatatctac	tgctgcaacc	ccaccaacga	240
ggaggagact	gacggcgctc	tgaacaatgc	gctcagagag	ggtctcctga	ttggaagcct	300
cgtaaatggc	aagggatctg	cctgcgctcc	cacttcgctc	attggtagtc	tcaatctgct	360
tgcttttttc	gaagagggag	aggatgacga	caagtcctac	tgcaagaacg	tcattgcctg	420
ctgccccggc	ggaaactgcg	cagcccttga	tggatactaa	aaagctccat	gaacaagctc	480
cactgggctc	gtgcaaatag	cgcgggttca	acgggnagca	atctggggat	naagctacgt	540
ggggctttat	atcagctcca	accgcttaat	gagattcctg	ttaatggccc	aagcgtccta	600
aaccttggtc	cggccgat					618

<210> 3988
 <211> 498
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

<400> 3988						
atagaattac	ctgcacgata	gacaatcgct	acaatggctg	agcacgagcc	tgagccgaag	60
cgctttttct	ctaagatccc	tgctccagct	gatcccccca	aatatgatcc	cataaccggt	120
gaagagctgt	ccaaatgtga	tggtaccgat	cctaaccgct	ccaccttggg	tgcgattaag	180
ggaatcggtt	tgatgtgac	taggaaccag	gcataacgct	ctagtgggca	gtaccacgct	240
tttgcctggaa	aggatccctc	ccgcgcctct	gctctctcgt	cgctcaaagc	cgaggattgc	300
aaacccgatt	ggtatgattt	ggaggacaag	gagaagacag	tcctggatga	atggtcacat	360
ttttcagcaa	acgctacaac	attgtgggaa	aggtgaagga	tgctacgaac	tactaaagga	420
acaaatgggt	agcagtgatg	catggagata	atcaaccttt	cgcaatgcaa	gaatatanc	480
gttgactnaa	aaaaaaaa					498

<210> 3989
 <211> 610
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n = A,T,C or G

<400> 3989						
gacgccccgt	cggctctgca	tcatatctca	cctcctccac	ttcctcgaag	ttctcgttcc	60

tagatcacca	tgttctccgt	togtgtcgcc	cgcgcgggcc	tccgtgccac	cgcccagcag	120
ttctccgttc	ctcgcaactgc	cgccgtcaac	ggctctgagga	cctatgccac	cccggcccag	180
gatgtcaagc	ctcctgtctc	cctgttcgggt	gttgacggca	cctatgccac	cgctctgtac	240
actgcctctg	ccaagtcgcg	aacctcgacc	agaccttcaa	ggctctcgca	gcctcgggtca	300
gacctnaag	gccgaccgca	agctgatcac	catcctctcc	gccctaccct	actgtcgcgcg	360
acaagcagca	gattgtccag	gagctgcaga	aggttgctgg	tgccgacaag	ggcgacatcc	420
tcaagaactt	cctcaacact	ctggctgaga	acaaccgtct	cggtctcctc	gagggtatct	480
gcgagaagtt	ctccactctc	atgggtgctc	accgtggtga	gatcgagctg	aacataccag	540
tgctcangag	ctngacacca	agactgtcaa	ccgtcttgag	aangctgggt	ccaagtctga	600
gntcaaccag						610

<210> 3990

<211> 557

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(557)

<223> n = A,T,C or G

<400> 3990

ctctccctca	aaccaacact	actaaaccca	ttaaaccact	caacaaagca	atcataatgg	60
cctccctatc	gcgcgtaacc	cgcatacaaca	acccagccct	ttttatctgc	gacctccaag	120
agaaattccg	ccatgccatc	tacgaattcc	caaaagtagt	aaataccaca	accaaactcc	180
tccgcgccac	gcaacccctc	caaatcccaa	tctacataac	cacccaatcg	cgcgcaaaac	240
tccgcaacac	gggtgcctgaa	ctcactacac	atttaaccaa	ccaccgcgtt	gtgcggggccg	300
accttgacaa	aacctctctc	tcaatgatca	cgcccagat	ggaagcgctt	ctcccatcgc	360
ctgagaangg	ggagaaggcg	ttggatgtga	taatcgtagg	gattgagacg	catatctgtg	420
tggtgcagac	gacgatggat	ctggtgcgga	gaggacatcc	ggtgtatgtg	tgtgtggatg	480
gggtgagtag	tgtgaataaa	agangagang	gggattgcgg	tgcagangat	gacggatncc	540
ggggcgattg	tgaccac					557

<210> 3991

<211> 624

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(624)

<223> n = A,T,C or G

<400> 3991

tgctgtggac	cagttccgcc	togtctggct	caagaccgag	gagggcatga	agccctccaa	60
ggatgccttc	aagtcccacc	tcaagaacta	catgaagaag	gtccttgcca	gactcaccga	120
gaccggtgcc	tccaaggaga	ccatcgatga	gttcaaggct	ggtgcccccg	ccgcgcgtcaa	180
gaagatcctt	ggcaactacg	acaactacga	tgctctgatg	ggtcagtcca	tggaagggtga	240
tgctatgcac	atcttgattg	acttccgtga	ggacggtgtc	accccttcg	ctaccctctg	300
gngcncgggt	ctccaggagg	ttaagggtcta	aattcagaca	ctgcagtcac	gcgaataaat	360
gttgtcatga	attgaaaaag	aaagagaaga	gacactgaag	atgcgatgtc	ttaatacgag	420
caattaaggg	tccccggaaa	gtagcagtc	aggtttttgg	aagcctggga	tcccgtctatc	480
gggtccttct	ggctattgct	aattatcttt	ccttcacatc	ttgatatcac	atcatgctcc	540
tgctgtcgat	atcttctgcg	tcttcttga	ttaaagtcac	gcctcatgaa	atcataactg	600
gtacgctttt	tttaaaaaaa	aaaa				624

<210> 3992

<211> 626

<212> DNA

<213> *Aspergillus niger*

```

<400> 3992
ggtgattgtc gtggacgaca tcattgctac tgggtggttc gcgtatgcgg ccggtgaact      60
catcaaccgc aagggtggtg agctgatggg ctctcgtttc ctectcgagc tcgagttcct      120
tcacggacgg gacaagctgc ctgcccccg ctacactctc ctactggcc aggagaccaa      180
ggcttaatat ccctatgaca tgcattcgaa caatatcctt atctgtttgg aggtctgcac      240
gcacaaaaac ataaaaaaaa cacatatgcy ctcaactcgt accactcacc tgggaagtgg      300
tcggtcatgc cgcagactat gcggcagcaa ccctaccggg gtccgccaga gatcgctacg      360
gaatcgatcg cgccgactag atggtcggca tgggacatga tagacaaagc aattgaatcc      420
ccactcgccg ggaacggcac cgaaacgaac gtgacgtgtt ctcttccccca gggctataaa      480
agttgaaaca cttgatcttt actttattct acacgagtcg atgtcagtcg ggcgtggcat      540
gcatttttta aacgtttttg catagactat gaaatagcaa tgacacaatg aaatgtaata      600
atacgctaag cttawaaaaa aaaaaa                                626

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<210> 3993

<211> 595

<212> DNA

<213> *Aspergillus niger*

```

<400> 3993
ggtgaagaaa gcaggaatgg acaccactcc cctaggcacc gaatacgtca ctcacgacat      60
tgatccctcg gacattgctt tgggtgcctat tctccgggtc gggttgggca tgatagaggc      120
aataaataac ctcttcccc cctccatccc aatctaccac ctcggtctct tccgcgaacg      180
tctcaccttc caaccagtcg aatactacaa caacctcccc ttccagcccg acagttccag      240
caccaaaccc ccgctgctg caacagccat cctactcgat cctgtcattg caacgggtgc      300
taccgcagaa gcagcgatcc agttactccg tgaatggggc gtgcagagag tcgtcatgtt      360
gagtgtgctg ggttcggaag cgggcgtgct tcgcgcagcg gggacctggc ctgagggcgt      420
cgaggtgtgg actggggcgg tggatgcgag gtgtgatgag cgggggatga ttgtgcccgg      480
gttgggggat attggggata ggttggttgt tgcgatgggg aaagtagatg ctgactgggg      540
agcgtgaaac agcaggatac ttatactaac taggttgtga acgtgaaaaa aaaaa                                595

```

<210> 3994

<211> 301

<212> DNA

<213> *Aspergillus niger*

```

<400> 3994
gcgggtcgct ggaagtgtac ttgtcagcac tcagagcgat gactccgtgg agtgggagag      60
tgatcccaac cgagaataca ccgttcctca ggctgcgga acgtcgaccg cgacgggtgac      120
tgacacctgg cggtagacaa tcaatccatt tcgctatagt taaaggatgg ggatgagggc      180
aattggttat atgatcatgt atgtagtggg tgtgcataat agtagtgaag tggaaagcaa      240
gtcatgtgat tgtaatcgac cgacggaatt gaggatatcc ggaaataaaa aaaaaataa      300
a                                                                301

```

<210> 3995

<211> 173

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(173)

<223> n = A,T,C or G

```

<400> 3995
tgggggttac acagcccggc cagcaattga cggaggtcat tggctgcacg accgtgaacg      60
ttggttcgga tggaaatgtg cctgttccta tggcangngn gctacctagg gaatggattc      120
cgcttganaa gttggcaggn agcaagaatn tgtagaannt cgtgaagggg gga                                173

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<210> 3996

<211> 626
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(626)
 <223> n = A,T,C or G

<400> 3996
 nccctggataa gctgaaggcc ttccccgagt ctcccgctcta cccccagtcct accgaagcat 60
 tgaccccgcca ccgtctgcag attgtcagat ctacgaagcc gcccggtttt gatgcttggt 120
 tggagcgtgt gaagaaggct gtgcgtgaag agcccgagcg ttccgctcc cttcgccgtc 180
 ctgacgggtac atatgccgc ttggcagcgtg atgacggttc cgacaacccc cgcggtgagg 240
 aatggaatgg agagagcatc gaacctacta ccgaggggccc cgctcgtacg gcagargaag 300
 aagctcgggtg gcacaaggac attgaggagt ctamcaagcc cactgctgaa tcagacttcc 360
 acacccgcaca gatgaagtgg gaagaatgag cccgccttgg aggttgagca gattgcccga 420
 attgagagac agattggcgc cggcctgacg gaggagggtc ttgangttgc tgagggcgag 480
 ttgaaggttg ttgacgagct gtacaagaca tccgcttggg aagagcttcc ggagaagccc 540
 agacccggtc agtggctcta ctttgagcgc aagancgagt aagcatagaa tgttttctca 600
 tgaaaggaag gtccgaaact aaaatg 626

<210> 3997
 <211> 403
 <212> DNA
 <213> Aspergillus niger

<400> 3997
 aaaactaatc cttcaaaatg catcttatgt actctctggg ccccgatggc aagcggggtt 60
 acacccctcaa gaaggttacc gaggacggtc gcgttaccaa gagtgtcac cccgcccgtt 120
 tctctcccgga tgacaagtac tctcgycacc gtgtgacctt caagaagaga tacggtctgc 180
 ttatgaccca gcaagccgac aaggaggctg ctaagctgta agctggttga cggataaaca 240
 tgattgagat acaaaagggtg ctttgaatca ttaatggcga atggtgttat ctatggtctt 300
 tggacgatga gaaacttttg ttcggtttct gtgcgggtgcc catggccggt atcttagtgt 360
 gcaaaatata ccatccaaga atttgtctta taaaaaaaaa aaa 403

<210> 3998
 <211> 397
 <212> DNA
 <213> Aspergillus niger

<400> 3998
 caagaacacc ctttatgtct tegtgcacag caagcttgct ctccgcccgtg ctaccqqtat 60
 ttcccgcccc gtgattgcgg ccagtatcac caccaacgag gccagtgacc tccagggcca 120
 gatcaagacc atcaaggaca aggtcgagag actgatgac taagcgttgg tcttggtgtg 180
 gaaacccctcc ggaggattat gcctccgagg gttgctaaga ggaatctatt gtgacttcgg 240
 gagttggccg gccatgacag acgaggtttt cgcgccacag tgcgaaaaca agtgtcgatg 300
 aatggtttgg atcgtacccg gatgctcaat tggatgctgt gggcgttgtg cgccctggaat 360
 tagtgcagat aaaagtcaat gacaaaaaaaa atgtgcc 397

<210> 3999
 <211> 206
 <212> DNA
 <213> Aspergillus niger

<400> 3999
 tcgacaccac cgaaggctgc cacggactcg tcacccctct tgttggtatc tccaaggtag 60
 aaggcaaaaga cgggctcgtc gaggagtccc tggtaagca tgttgagac gaacacacgt 120
 gatgttgtga atgggtttcc tcatgtttgc agcggttgcc ggatagattc tagggatctt 180
 caatggaaaag cgggtgatat tatttg 206

<210> 4000
 <211> 622
 <212> DNA
 <213> *Aspergillus niger*

<400> 4000
 ctccatcttc cctgaactgt gccctcagga taatctgttg tgggtacata cactcgtgat 60
 ctctaataaa tgtactgttt cgcggttata atcattgaaa taatcatcat ctgcgtttat 120
 ctccgagaag ctatttcaaa aggtacacaa caggcctgtt tgtttcgtga caactatgac 180
 tctatcacgg agagtggcct atcgatctac ggcttttcag cggactcgcc gaaggcaaat 240
 accacgttca aggtataaca aaggttgcca taccctcttc tctgcaatcc taccgctaca 300
 ttgatagcag ctcttggaact caaaaagtcg ccaaaaaggca caattagagg agtctttgct 360
 atcgataaac atggcaaaagt cttgataata caggctggag gccctgatgc aacgcttgac 420
 gctgcacgaa aactggttgc agaattgaag gaacaaaagt cttaaagacga aaccgcggac 480
 gctgactcac cagctaaggc tgaatagtaa aagatagtaa cagacatata gagaactttg 540
 aagtggccaa ttgtataaag caatgtgtgg cataaggaat atatgagttt ccaaatcata 600
 ctgcgaattc atgccccaga ag 622

<210> 4001
 <211> 323
 <212> DNA
 <213> *Aspergillus niger*

<400> 4001
 ggtgtcgaga actatctgag agccatcttt ggcagctaac ttgccagccg ctctcgtgtat 60
 gagtatggta gcagcccgag ccagttctcc ttctttgact tcatgaccaa gcgaattgag 120
 cagctcaacg cgaaccacga ttcttagaag gatatacctg tttctttatg attgtttttg 180
 tttggtgact tgcattttcc gggaaatata taccctaactg cacatcagca gtgttacgga 240
 taactttaatt atgacgatgt ccattgcatg ggatacaaaa aagacatgaa tactacagac 300
 ctaataacagc acttttgttt tgc 323

<210> 4002
 <211> 262
 <212> DNA
 <213> *Aspergillus niger*

<400> 4002
 aggtgcttgc ggacagcaag ttccgcctga ttctcatcga gtctcgtatc caccgtctgt 60
 ctcgttacta caagtccgtc ggtgtcctcc cccccactg gcgttacgag tccgccactg 120
 ctccaccctt cgttgcttaa ggcgctgcac ttcttgtgct ggggtagaag ttgttgggt 180
 gaagtggctg tctcgtggg tgaattgggt gatctggaag ggttgattcg cgatagtcac 240
 gaaataaaat tatgaccaca ct 262

<210> 4003
 <211> 349
 <212> DNA
 <213> *Aspergillus niger*

<400> 4003
 gcccaatacc tggaccagaa gagactccgc actggtctgt acagacaccc ctgggatgac 60
 atcaactaac ttctcccccgc cctccagaag ggtggctccg aggggtgtgt cgaggtcagc 120
 gtctaatttt ttaactgtct ccttaataac atttacctct catggattag tcataaaaac 180
 cgtcattgtt gacgtcggag ttatgatggc ctgtttttct ttcaccataa tttctttctg 240
 catcggtttg gttcgtttca tatctcatct atttcaactt acaatctqta qtggcacatg 300
 tggcatgact cgtgtgttaa ggttgatgaa taccagcga cgattaaag 349

<210> 4004
 <211> 496
 <212> DNA

<213> *Aspergillus niger*

<400> 4004

gagaacgacg	ccgcttttcc	ttcttttaact	cggetgatga	tgttgacgct	atgattgaga	60
tggcgagtat	cttcggcacc	cgacgcatga	aagctgcagc	agccatgcat	gggcagatat	120
tcgaaacaaa	catccctacc	atcggtgaaa	aggggtatag	ctgggagaaa	cttgtaaaat	180
gggccagctg	tgttgaagag	ctaactgaaa	gtgagaaaca	ggccactcga	ttgttggctg	240
gcctcatgga	gctggatccc	tacaagcgtc	tgagtgccaa	ggaagcccta	caacatgagt	300
ttttcactga	ccctatagat	catgatgtgg	agtggggagg	ggaccccgat	gatagtgcag	360
acactgggga	agaagatgag	gataaagatg	acggagaagc	ggacgaagta	caatgatata	420
gagcttccga	gccaatgtat	gataatgact	cctgggtttga	ttataaacia	agcaattgct	480
attctactaa	aaaaaa					496

<210> 4005

<211> 457

<212> DNA

<213> *Aspergillus niger*

<400> 4005

caggcgctcg	caaccgacta	ttattgttgc	gtgtttgccg	gcgccggctg	gagggcagtt	60
gaagtccect	attacgatgg	aggtgccgga	gcagtggttg	aggagtacga	ctgggggtgt	120
tttcattgat	gtggcgatg	gaatgccgca	gaccaagctg	agaattggta	tgaatgaacg	180
agcgagtatg	ggctgggtcg	tggttgatgg	tctggtgggt	ttgttggagc	agggcattgc	240
gcagtatgag	ctgtttacaa	ggaggccggc	gccggtgcat	gtgatgaggg	gggtattgag	300
ggagtatact	aatgcaacac	ttagcaggta	gtatgtgtct	cgcattgttg	taccatttct	360
gttgactttg	cgagggtctaa	gtttacttca	gtgcattgaa	tgatcagtac	ggagtactca	420
aggtaatcaa	ttcggtcatc	tgcgatagcg	aaaaaaa			457

<210> 4006

<211> 601

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(601)

<223> n = A,T,C or G

<400> 4006

acctcatcca	ctccagcca	tgttccctca	gcgcaacgcc	cttcgtctgt	ctcagcgcgc	60
tgccacgacg	ctgcgtgctg	ctccggttcg	ctccaccgtc	cagcgccgtc	tcaacagctc	120
cgactccaag	ctccctctt	gggccgtcga	caacgaattc	aaccgcgaga	gagaggccgt	180
caagcaccac	gctgctgcta	ccagtgatct	gtggcgcaag	ctctccatct	acqccgtcat	240
tctgttctg	attgccggag	gtatcaacgc	ctacaacctt	tggactgagc	actgggaaca	300
ctgggcgcac	atgccccgc	tcgaggagcg	taccgagtac	ccctaccaga	acatccgtgt	360
gaagaacttc	ccctggggag	acggtgacaa	gaccatcttc	tggaactccg	acgtcaacta	420
ccacaacaag	gacaaggcta	cctaaatgcc	cgccgttgat	tatgggagta	cagcgtcttt	480
gattgatctt	gactgttgac	gggaggggaa	atcaaaagac	atgtatat	actgacaaaa	540
tacgcngnag	taagaataac	gaagggcaag	gntctcgttg	gtggagttga	gatanccgcg	600
c						601

<210> 4007

<211> 631

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G


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<400> 4007
gtcatagcag attcaagctg agaacaccac aagtaaatat caccatcat gcttaccctg      60
accgtccctg aaaactacgg ctctgtcatt gccgtcgtc tgggtgccat ccccgctctg      120
agcttcgtcc atggcgccgt cgtgtctcgt ctccgcaagg aagctgattg cccctaccct      180
cactgctatg cgaccgtaga gcagtgcagg accaacccca aggccgagca gttcaactgc      240
gtcagcgcg ctcattgccaa ctctcttgag aactccagcc aaactatgct ctctcctctg      300
gtagctggac tgaagtaccc ccagttggcg actggcctcg gaagcatctg ggctcctcgt      360
cgctcactgt tcctttacgg atatgtgtac tccggcaagc cgcggggctc cggctcgttg      420
tacggcagct tctacttgct tgcacaggga gctctctggg gcttgacgct ttttgaggt      480
gcgagggagt tgatttccta cttctaagtt tggactgaat ccgtgggtgtg attgangtga      540
ttggcgatgn ttggtatac cagctatatg gaataatctc tactggatac tactattcaa      600
cgcattttac tatgcgtgct gntagggtcg g                                631

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<210> 4008

<211> 406

<212> DNA

<213> *Aspergillus niger*

```

<400> 4008
agtaaataa agagcgctca ccacggagac ggcgagcaag ctggatgtcc ttggactgga      60
tgggtgacac cttggcgctg atggcgacaca ggttgggtgct ctcgaagagg gagacgaggt      120
aggcgataac ggggtttctt tttctttaat tttcatgact actggcgata catgatgggt      180
ttgcgaattt taacgggttt cggcactggg ttttcgttat ttcttgctgc gcaataaata      240
gtagctgcgg attcagcggc tgggtggaat tgatcatggg gatgcacccg aatatgtaca      300
ttaaagaaag cttttattcg acgtgacttc ctccgggagc gccaccggat ggcataagac      360
cgaaatgcag tatctatgga acaatccaac ccggtttgag atcgcg                                406

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<210> 4009

<211> 587

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(587)

<223> n = A,T,C or G

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<400> 4009
cagctattcg atcgggagaa ctgtccctat gagtcctaca gagagatgga gttcaccgca      60
gctcttcceg tagcacggat ggcttatttc catcgacact ttttgggggt tccccggcca      120
gcacgttcag aagaggactg gaagatctcc cccatatttg cgctgactt ttctggacta      180
gcacctgcgt tgggtcttcac cgcggaaatg gatcctctgc gggaggaagg ggaggcctac      240
gctgccaaat tgaaagctgg cggttgtcga gtggaaatga tgcgtatggc aggagcacc      300
cacacatttg ccatgttgga tggcatctta gagagcggcc gtatatatac cgagaagggt      360
atcgaagcga tgaaacggga actaacaggg taaataatca attggttcgg ttgaagggat      420
atcgaagatg gagagcagtg ttagtgacga gcgactagaa gatggaaatg cggagagaca      480
gcaggatcat ggtttatccg acgagaatct ttaccgtatg ataccattta ngccgggcag      540
cgaangtggt gcagaagggt aacgggcgtc ctgaacatta ccgggcc                                587

```

<210> 4010

<211> 495

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(495)

<223> n = A,T,C or G

```

<400> 4010
gcgcatcacc attatgctgg gacctatcgt cggatccgcc atgctcctgg tcgctactgc      60
gatctttctt tactacacca cctggactct gttgatgccc ttcgtcgatc cgggtcaccc      120
tctccatgat ctcttccctc cccgtgtctg ggccattcgc atccccgtct tccttactct      180
gcttgggttc gccgtggttg gcacgttcat aggcattgtg atgatcaaca gcaacaagaa      240
gaaggcagcg aaggctaagg ccgcggccaa gaagaagacc taagcttcca acaaaaagaa      300
aaccgacgtg gcgtttggag gatgagttgg gtggtgaaca tggcgactcg aaacaggtgg      360
catcatctta ttctgcatgt aacattagtt ttttctgtcc ttggtctttt caagctttcc      420
ccttgattgg gttgntctgt catcgacgcg ttcaattaca ccatccgcat tctcgcatt      480
ctgcaaaaaa aaaaa
495

```

```

<210> 4011
<211> 474
<212> DNA
<213> Aspergillus niger

```

```

<400> 4011
gttgaagaag ggggtggatgt catcaacctc gagactgggt ggccgagcaa gggtaacgcc      60
aacggtgctg ccgtcccccg tgccaccgag caggctaccg ccatcaaggg catccgcgag      120
tccgttgggt agctgtcggg ctctcttctcc tacgccaacg acctgtggaa ggaccccggc      180
gagtacgacg ttgagcagta ctgggggttg attgaccagt tctaagcggg tcgcgcttga      240
tttgtctata gtttccctgaa caattttttt tctttttgct tccgatctgc ttggagttgt      300
ttataatcct gtatctgtcg tcccaggtag attcatcacg acaggacttg gcttatcttt      360
cccttctccg tacagttgaa actttcatat agtagatata accttttggg gtctgtttct      420
ttcttctctt actcttatct atgtgtctac tgaccggggt tgcaaaaaaa aaaa
474

```

```

<210> 4012
<211> 484
<212> DNA
<213> Aspergillus niger

```

```

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = A,T,C or G

```

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<400> 4012
gaaggccatt gccctggaca acaagcacgg gttctcgtcg cgcttcacca gcgctctgtc      60
ttccttcgac cagaagtacc atgccacgga ccgtgctcgc ggtctggacg agaactacaa      120
gctcagcgac aaagcgacca ctggctggcg tagtctgaac cactacttcg agaaggccct      180
cgacactccc togggcagga agttgcggga cttttactcc cagaccgata agcaggtgcg      240
cgatatccac aacgaggctc gcagacttgc ggatctgaag agcggcaagt ctactactga      300
gggtggtgaa gctcctgtcg ctagcacggc qcctgctact cacncqqcgg gtactqctgc      360
tctgctgag cangcgtaag caaattgaat tgaaagaaaa ttangattgg gggtnnatga      420
gcaccaaggt gtggnttctg ttctatgcga tatgacttng ctatttttag ttaaaaaaaa      480
aaat
484

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<210> 4013
<211> 618
<212> DNA
<213> Aspergillus niger

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<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

```

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<400> 4013
gcgttttctt cttcttcttc gtcattctca ccggttecta caaaactaaa tcccccttaa      60
aactccccc cttcctgggt cccggttctg cagaactgct tccttagttt acaactaccc      120

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ctccatccct	tactcaaatt	caagcaccac	tcgcaaatca	gatcgtcgtc	aaggatcatg	180
acacccaccg	cagccgtgga	ttcgggtttg	tccgcttcgc	cagtgatgtt	gaggccgacg	240
ctgccatgaa	tgccatgaac	aaccaggaat	tcgacggccg	tgcatccgt	gtcgacaaag	300
cctcggagtc	gagaccgcgc	atgggtggag	gtggattcca	tggacgcggt	ggctacaacc	360
gtggctacaa	cggcggcggc	tggcgttccc	agcagcagga	gcctgaggct	acagagtaag	420
ctgcgcaagc	tattatagca	ttgccgatga	cttactgtgg	accggtctct	tgncctattt	480
ttcattttct	ttcacgcttt	tttcctcttc	tcgcatgtca	actgctggta	agtccttng	540
gacttaaagg	ttgggataag	aacacgggcg	catgctacca	acttttatga	tggngactta	600
cgacgaaacg	acccctgc					618

<210> 4014

<211> 419

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(419)

<223> n = A,T,C or G

<400> 4014

attcactgag	cctattgctt	catttcaatt	ccattcctca	tcattgtcgtg	gctgtccggt	60
tcctctaaca	ctgagaaggc	tgctgccctt	gctcctgccg	agtcggcacc	tgcgaaaag	120
cccaagccat	gctgcgtttg	caagaccgaa	aagaccgcc	gcgatgactg	catgctcttc	180
tcgaagaccg	acgatccac	acaggagtgc	aagcctctga	ttgagcagta	caaggcctgc	240
atggctggct	atggcttcaa	ggtctaagtt	gcactatacc	cgactgctgc	cgggacagct	300
gcacaatgag	gatgatacat	agagttcagc	gcattgcaat	attggtgttc	ggttatgggt	360
tattctgggt	tacatgtatt	gnataggcat	ttcgacgtct	ataggtggaa	aaaaaaaaa	419

<210> 4015

<211> 603

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(603)

<223> n = A,T,C or G

<400> 4015

ggcaagggca	accactccgc	caatcatatc	cagaaaatca	agccccgagt	agagcaagtc	60
tqccagggaac	tcggtctcca	gtacgcgact	gaggagaacg	cagggcgcat	ttatgtgaat	120
ctgactggtg	gaccgycqga	tatggagact	gcgccaacgc	ccaatcatcc	tcactatcag	180
caataccctc	agcatcaaca	gcattccgtc	ggtacctatg	ctcaccgcga	tcagcagcag	240
cagcageaat	atcccgggtc	gcaacagcag	cagcaacagc	agcagcagca	acagcagcag	300
cagcaacaac	aggggtgcggg	caaccaggat	gagatcgagc	aggtgggttaa	tgcggttctg	360
cctaagattc	tcaataagct	ggagaaggct	tgctgtgtgg	tcattgtgaaa	aggatttgag	420
ggacactggg	ataaagattt	tggttgggca	aaagagtatt	ttttggccta	tacatgatat	480
gatatgtggg	tggtatagac	aaagaagggt	gcgtgagcag	acacgactga	tcattggact	540
tccgcgcaat	tggcatttgg	cgggaagatt	acatataccc	cgggctgngt	gggtggattaa	600
nat						603

<210> 4016

<211> 460

<212> DNA

<213> *Aspergillus niger*

<400> 4016

gcccccttcga	ccagcgaccg	tctatatcga	tctgagaaag	agccacatcg	cgtttcaata	60
aaaacattca	caatggaaaag	cctacttgca	ccgattcaag	atgctttgga	aggtcaaate	120

gacttccaag	gccagcgc	tgcagagctt	cttagcacag	tgcttcttgt	tctgtcgggt	180
gccgttgctt	tcattgttgg	atacatcttc	caggatattc	atctcacact	ttgggtcgga	240
ttggccggca	cgttaataac	tgggttggcc	gtcattccgc	cttggcctat	gtacaataag	300
aatcccgaga	aatggcttgt	tcccttgacg	gcgggcgtgg	gaggtggtgc	argcatcatg	360
gtagatggag	ttaaggttgc	gtgagacaaa	agtcgcggac	tttggacatg	tctaatttat	420
atcctgaatc	aatcacaact	tgtccgcctt	gaaaaaaaaa			460

<210> 4017
 <211> 181
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(181)
 <223> n = A,T,C or G

nttgccttat	agggaggcnt	attacaattc	acnggccgtc	gttttaaaac	gtcntgactg	60
ggaaaacctg	gggttaccca	ttttagcngc	cttgcagaaa	atcccccttt	cggcaaaatg	120
gcgcctaccg	aaaaggccnn	aaccgttnac	cnttcccaat	atttgcccac	ctaaaaggna	180
n						181

<210> 4018
 <211> 451
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = A,T,C or G

cgctgttttn	ttttnttttna	acatcaggac	tttttcatta	tttttagctcg	agcatncgga	60
gagactaatt	tactctctgt	ntcctccttc	gncaacggng	gtcttggcga	tacgggtcaag	120
atcacgctgg	ccgctctggg	tgatgcggcg	gccacccttc	tcctnatcgt	gtcgcaggac	180
accgaccgcg	tttgncgaac	tttccgattc	gcattgcttg	tgtaataact	nagttgggcg	240
gcctgcatgg	ntcagcaata	tcgagttagt	caatgttagc	aacacaacgt	gctttagatt	300
gttgggggtg	aaaggcgggt	tgggactcgg	acaaaaattg	aagggaatga	atcatatgca	360
aatctggttc	gtgggtcggc	cgatcgncgg	ctatcaaac	acgcccacac	tatgtacagt	420
caaagctaaa	aaaaaaaaaag	aaaangaaaa	a			451

<210> 4019
 <211> 641
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

ctttcgctgc	tctgcacaca	agatgtcgac	cattcttagg	acqctgcgca	atctgaqacg	60
gattggcctc	aaggattatg	gccaccaa	gcaggatagc	tttcggatgc	tgggaaagga	120
gaagcttgtg	gaggagtga	atggatactg	acgagacgtg	ctatttgctg	caatagtaca	180
ttggtgatac	caaggccggg	acottgatcg	gtgttgaccg	ttacggcaac	aagtacttcg	240
agaacatgga	ggaggagctt	cctctccgta	ccgctgggtg	cgactacaag	gaaaagggaat	300
acgacccttc	gcagcttgag	cctgqctggc	acqcttggtg	ctcctacatg	gtggatgctc	360

ccccactgc	cgacaagatc	atgcagaccg	gtgtccgcag	ctgggagctg	cctgagcaca	420
ggcccaacct	gaccctcagc	cgtgctgctt	tcaagaccta	ctctactacc	cgccccaagt	480
actccgcctg	gactcccgtt	tgcggcgccc	cggtanacgt	cggtanagcg	ttngnctaaa	540
aatcagacca	tgttccaaaag	atgtgttaaa	taaatnagat	gtcctacttt	cccgttttga	600
accaaaaaana	aaaaaaaaaaa	agcgggcccgc	tcnaacaatc	a		641

<210> 4020
 <211> 902
 <212> DNA
 <213> Aspergillus niger

<400> 4020						
gagagatcgg	tccccgccaa	ttaaactctgg	ctcgggttat	tgcccttcat	tgtctctctg	60
acgtctctaa	tcttcaccct	cgcgtgccac	tttcgtcaac	ttcttccttc	ccaatttcat	120
tcttacgagg	cttgggtcttg	ctgtgcttct	ctcttgagcc	tcgtctctct	tttatctagc	180
caaacgaaat	cgaattctta	cagcgggaaga	gttctggtat	attttagaga	cggatttccag	240
ttgtattggg	gccaatgtct	ctccagagcc	acttccaaaac	ccccagcgtg	tcatacccca	300
caaccgatcc	gagaccggca	tctctcactt	caatacgacc	ctggatgaaa	gccttgccgt	360
caagcaggat	cttgagggtt	ccttggttccg	tttgggatac	atcaccgaca	agacccccaa	420
cacgctcgat	ggcaccgatc	tcacgaacta	cattgagtag	ctggagactg	ccagcgttcc	480
tcccgtcacc	ctccccgacg	gtcgtggcat	gatgtggtac	atcgataccc	ctcctggtaa	540
aggcagtcct	gctcaccgca	ccgtcagctt	tgacgttggt	atccagggtc	caggcgagat	600
cgaagtgcag	ctcgaatcag	gcgagaagcg	tatccagaag	cggggtgaca	tgctcatcca	660
gcgcgtaccc	actcacactt	ggagaaaacct	cagcaaggac	aagtgggccc	gtatgggttg	720
tggttatgtac	tcgagcaaac	ctgtggttct	caaaaatggc	accgtacttg	gtccttctgg	780
actctagtcg	tctcatcaac	aatggatatag	gctatttgtg	tctacatagg	acacccaatc	840
tattttcagg	caaatattct	tttttttcac	gtgcctcggc	acctaagctt	ctagagtcaa	900
aa						902

<210> 4021
 <211> 517
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(517)
 <223> n = A,T,C or G

<400> 4021						
cttgaccggc	gtggaggaag	acgacaagcg	cangctcgaa	gtaactgggg	agatctcgtt	60
gggcgaaaatg	gtcaaccgca	ttcgaccggt	caatattcaa	caattggcga	gtgtgacggt	120
cactccgagg	gctttttctgg	gcacagtggg	aggttccatc	tatctctttg	ctattatcaa	180
cccagagcac	caggacttct	tgatgcgtct	gcaggcaacc	atggcgggca	aggtcgagtc	240
gctgggaaac	attccattca	atgagttccg	tggtttccgc	agcatgggtc	gagaggctaa	300
agagccgtac	cgctttgtgg	atggcgagct	gattgagcgg	ttcttgacct	gcgagccaa	360
tctccaggaa	gaaattgtgg	actcagtggg	catgatgaac	gttgatgaag	taaagattat	420
gatagaagcc	ctgcgcangc	tacattgagt	gtggcaagta	ngatctgaag	agcaataatg	480
attgagttat	atatggtaaa	gacgaggtaa	aaaaaaa			517

<210> 4022
 <211> 451
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = A,T,C or G

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<400> 4022
gcactcccca tgatagaatc actaggcgga ttctctggtt tcggtggcct cctcgtcacc      60
gtcattgtct gtgccgtgat gccccatgtc aacggacagc cgtacgccac agacgaattc      120
gtctggcgcg actggctcaa cgaggctgga tacagtagcg acggcttcgt cttctgtctg      180
ggaatgctga acggtgcctt cgccgtcggc acgcccagc tcactctcca tctggccgag      240
gaggtgcccc aaccggggaa gaacattcct ctgggcatgc tggctcagta cgtgatgggc      300
ttcttacagc cttcctctac ctgattgtca tcttctacgg tatcacgac ctgaacgccg      360
ttctcgaacc cctaattttt cctctgaccg aaatctacct caaatacggc accgcgngng      420
tttttngact gataatngct catgctccgg t                                     451

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<210> 4023
<211> 256
<212> DNA
<213> Aspergillus niger

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<400> 4023
cgcgtaatgc ccagtcgggc ctgctccttc ggtagacaga tgotgcaggt gcacaaagtg      60
cactattttg tgctcgtgat gggatcggcg cggcaggcga tcctcgagga ccggttcccc      120
gcgttctttg gtgacttctt tgggaacttg tatggagaga agacaaatta tccggagtgg      180
gtagtgcagg ctctgcgggg ggtgggagta gatttgatgg agtaatatag accagaataa      240
agcggagttag tatgcc                                     256

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```

<210> 4024
<211> 435
<212> DNA
<213> Aspergillus niger

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<400> 4024
cctcgcttcg agcagacgat aatggagatg cagccccaac ccttggtctg cattgagctc      60
atccacagac agcccgctcg ctggacgaaa aagcgcgtcg tcagctgtga cggcggtggc      120
ggtccctctg gccaccccaa ggtcttcctc aacaccgaca agcccgagat tgctacctgc      180
ggctactgcg gtcttccctt cgcccacgag caacaccgtg cctacctcaa gtccctcccc      240
gccaccagct accctctcga gcctaccggt gacgcccggc aggtgaacga gagccagcgc      300
gtgaccgagg gcggattcga gcagcggtaa agattgattt tataggcgtt gacgatgttt      360
tgttttttat ctttagccat acggctgttg tacagatgta ccaggccaat gaagtcgtta      420
gatcgaaaaa aaaaa                                     435

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<210> 4025
<211> 446
<212> DNA
<213> Aspergillus niger

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<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

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```

<400> 4025
ctgcgaccca atagcgaagt tctgggcccc cgacacattg gggtcattgt tggaccagac      60
atcaatcatt ctgcccgatg cggttgtcag tgtcgttagc gatargacta tcttcattct      120
tcccctaact ttgacggtag ggttgcaatt gccgatgaag aagaaattgc gagtcattgt      180
cgtattggga gccggcggac tagcatgtgc atcgagtatt gtccgtctga tcttcattat      240
tttgacgggg caatcgcagg acgggacact ggctttcatg cgcattaaca tgtttgggaa      300
cgccgagata acgattgggg tcatttgtgc ctgcttgccg cctttcagcc ctggctcccc      360
taccacccgc aatatacagc acaaatactc aqtcataaqa acaccagcat nacagtaaga      420
gtgacaaggc agaatanagt ccaatc                                     446

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<210> 4026
<211> 391
<212> DNA

```

<213> Aspergillus niger

<400> 4026

gacctcgtct	ctgaggagac	cctcaaggcg	tgggggttcca	aggctagcaa	gaagtatgtc	60
gacatccaga	ccagcaagaa	ggtccgcaag	gctgctgaac	ccttcctcga	atgggttgag	120
aacgccgaga	gtgaggagga	gagcgaggag	gagagcgact	agatcagcga	ctcggcttgt	180
cgcagtcata	tgtctgctca	gtagacaatt	ttcgggacta	cttggttttt	gtcgcgtgat	240
tgtttcgttt	gttccaaactg	atctccgctc	ttttcggatg	tgacagtttc	gctctgccta	300
ttgtttgttc	cagaagtttg	aaataagctc	atcgaaaaaa	cattagtcct	aggtagctgc	360
caataatata	gctctgcgta	tttgtgctag	t			391

<210> 4027

<211> 616

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(616)

<223> n = A,T,C or G

<400> 4027

tctcaatcaa	gatttgatca	acttctagct	ccagcggccc	cagccccctcc	aagccccctcc	60
gccgatcgcc	acacttgatc	gcaggtgaca	gtaattgtat	tagcaagatg	agcgagcctc	120
tcccatcgtc	tttccaagaa	catcctcagt	tccaagagga	gacttcgctc	caaaagtctc	180
gcagacgtct	caaggaagag	cctctgatcc	cgctaggatg	tgctgccact	tcttacgcac	240
tttaccgggc	ctaccggctg	atgaaggctg	gcgactccgt	cgagatgaat	aagatgttcc	300
gtgctcgat	ctacgcccag	tttttcaccc	ttatcgccgt	ggtcgccgga	ggcatgtatt	360
acggtagcga	gcggaagcaa	cgaagggagt	tcgagcagat	ggtggaggga	cgcaagagcc	420
aggaaaagcg	ggacgcctgg	ctgcgggagt	tggagattcg	tgacaaggaa	gacaggggct	480
ggcgggagcg	tcacgcggct	attgaagccc	gcggcgaacg	aggccgcgaa	tgctaagaaa	540
tcgttccctt	gagcangatg	ctgctcgctc	tgctattgag	cctttcgaac	agaagtcaat	600
cggggtacta	attgct					616

<210> 4028

<211> 615

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(615)

<223> n = A,T,C or G

<400> 4028

tggaaagatc	gtcctcactg	gtgctaaggt	ccgtgaggag	atctaccagg	cgttcgaact	60
gatctatcct	gtgctttcgg	atttccgtaa	agtctaaaag	ggcatcgccct	ttctcaggaa	120
gatctcgacc	acctcgctct	tcccatcttc	atcaacttgt	attaacactc	ggcttttccc	180
cttgcaactg	cccgcgaggt	tgtactatga	acggacaacg	cgcttcaacc	cagcacggct	240
gatgtttttt	ttttctgttc	gatttttttt	ttttctttct	atccttttgc	acatcacgat	300
tttcatgcta	gcctctgtac	ggcgttcgag	cgattggctc	ctattatctt	tttttctctc	360
ctgttttcaac	aaacaaagtg	tctcaccatc	ttagatagtc	gcacaccgca	gattcaaggg	420
ggcggttactg	tgcgttggtc	gaatgggttg	ctccttctaa	ttattgggtt	tctgtttctt	480
gcccattggc	agtgaccctc	gagtgatggc	caaggttatc	gctcgangtg	gttcggacct	540
cggangactt	gcttgctatt	gattcggagg	gttaactctc	aaqctcaaaq	candcaaaaa	600
aaacttttgc	tgttn					615

<210> 4029

<211> 290

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(290)

<223> n = A,T,C or G

<400> 4029

ccggnccttgg	catcgaagat	ggaggagtgg	tcgctctcctg	gtacgacaac	gagtgggggtt	60
actcccgccg	tgctgctgac	ctcattgcct	acatctccaa	ggttgatgcc	cagtaggaat	120
caggacggca	aactgaattc	agaagtgtgc	tgtgagtgtg	actgattgcc	gagcgcagac	180
gactctcgtg	gaacccggct	tgtggagaag	cttgagaagg	tcttaactcc	tagcgtaaaa	240
gctcatgatg	acgtacaatt	taatgaaatg	atacaatggt	catatttccc		290

<210> 4030

<211> 622

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(622)

<223> n = A,T,C or G

<400> 4030

cctcctttct	cccttttctc	tccagactta	tacctctact	ctctgaatat	catatcatct	60
ccattttatct	ctctactacc	tttatccaaa	actcacttca	ttcatcatgt	ctgaacgctc	120
caccgtccac	gtcgagggca	ttgcctccgc	taccaccgac	aaggagggtcc	aagattttctt	180
tagctttctgc	ggaaagatca	cccacatttc	cgtgaccccc	gtttcaggcg	aagctgatgc	240
ccaaaagtgc	gccaccgtta	ctttcgaaaa	ggaagctgct	gctaagaccg	ctcttctcct	300
cgacaacacc	cagettgggt	cctctctcgt	gcacgtcaag	gctgcccaga	gcctcgacga	360
catcgccggc	gagcangccg	ccagcgccgg	acaagccaag	gacgagtaca	accacgacct	420
cgagcaagag	gacaagcccc	gttctcgcct	tgtagctgag	tacctggccc	acggctacan	480
cctcagcgac	aatgccatcc	agaaggcant	gccctgggac	aacaagcacg	ggttctcgtc	540
gcgcttcaac	aacgctctgt	cttccttcga	ccaagaagtt	acaatgccac	gggcccgttgc	600
tcgcccgtct	gggacganaa	at				622

<210> 4031

<211> 367

<212> DNA

<213> Aspergillus niger

<400> 4031

tccagacctc	tgtgaggtcc	atccttcccc	gtgaattggc	gaagcacgcg	gtgtcggaag	60
gcaccaaggc	tgtcacgaag	tactcgtcgt	ctgccaaaata	agcattttct	ttcctttttt	120
ctttctgcag	gattgttctt	ttgctacctc	gtcatctggt	acggttttga	ggtgggtgggt	180
tacaggggtg	tcgcgggatt	ctaattgtgt	atgggatggc	tttatttctt	tttttcccc	240
tgggcccatt	gttttatggg	tgtttttttt	ttgtgacgtg	aatgcgggtg	aacataactc	300
ggatgtgggg	ttggttgcgc	gggtttacct	tccccagcag	aattcgaata	tcaaattgcc	360
taqttgc						367

<210> 4032

<211> 548

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(548)

<223> n = A,T,C or G


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<400> 4032
gtggatgacg gcaaagacta cgtcttggaa ccaggcacct acataaaactt gaatacgaat      60
ggtcttcaact attctgaaga atactggggg gacgacgcca cgctatttca accacagagg      120
tgggatgcgc gcaacaaggg tagcttcttg gccagaaacg ccgatctacc tggactcgct      180
ggcccggggt tggaaatatc tactatccat aaacccgtcc gaggtgccta tatcccattt      240
agcgatgggt tccgcgcgat cctgggaaaag aagtctctgc aggtcgaatt tgttgctgcg      300
cttacgacag ttctccgaca gtaccgcacg gagttgcccc acagcagtga aaaggcagaa      360
tcaatgctga aagagtgttg aaccaagcac ctcgattata ccttggctat ggggaggaag      420
taccgttctt ttccaaggag atgaggtgtt tggagaactt atgcctgatg aggatggctg      480
gataaacaga tgccntntcaa ttggttggtc atgaatcctg aaatngccat ttggttacga      540
aaaaaaaaa                                         548

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<210> 4033
<211> 385
<212> DNA
<213> Aspergillus niger

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<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

```

```

<400> 4033
gtgagtgcc tggctgaaga gctcatcaac gccgccaaagg gttcctccaa ctctatgcc      60
atcaagaaga aagncnaact ccancgtgtt tccaaatcca aacgggtaan tggggaattt      120
gggggtaatc cccgtttggn cctgggttttg cgtgtactgg agtggacggg ggggtttatta      180
ggattcagtc gatttgcatg catctgcgcg actgtacata cctgaaaaca gtcacgggag      240
ggagcgagat cctaaaaatg agagaatcgg acggctttct tctacagtag ttgagatgcg      300
atcatgaaga cctctggctt gtgaagtcaa tacctttatc tattttttta cacgaaaaag      360
atttcctgt ttcaaaaaaa aaaaaa                                         385

```

```

<210> 4034
<211> 188
<212> DNA
<213> Aspergillus niger

```

```

<400> 4034
ctgcgcgatg cgaagctgta tgaaattggg gctggaacga gtgagattag gcgcatgggtg      60
attgggcgtg cgtttaatcg ggaatttgca tagatcccat ccatgccctt aatccgttga      120
tcttatgagg atatgttaca tataccagca agtcctacct gctttatctg actgaccatt      180
tatggatt                                         188

```

```

<210> 4035
<211> 385
<212> DNA
<213> Aspergillus niger

```

```

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

```

```

<400> 4035
ccccagcccc ctaagtgcgt caagaggatt cttcggaaac cagcatttca aaaaatgtaa      60
tgagtggctt gctgaacgtt atgggtgccg cgaagtcatt gactggtcac tgacttcgaa      120
gagcaaaaac agctctcctt ttgccaccat tcaaagcccc gctctcactg gtgccccgaa      180
taagcctatc gctaaagggt cagatgctag tttggaggaa gaggtctcca ggacaacaga      240
gcttgccaag tccaccgagg ccgttgacga gtttgaagac gatctcgatg cgctggaagc      300
cctagcagca gcagaagcga ccagatagtt gctaatactg agtacattgt aagaattcca      360

```

ggctctctttc cttcanaaaaa aanaa

385

<210> 4036

<211> 273

<212> DNA

<213> *Aspergillus niger*

<400> 4036

ggcgcgtttt	ttttttttt	ttggcaaact	tcagttgcag	tatacatgtg	tttttaaaaa	60
caactgcctg	tcaacccctc	catccctttt	cataaaatct	acataaaatg	caacccgtaa	120
ttctaagagt	tttgactcaa	tgagtcacgc	tagcgtaagt	gtatcaatgc	aaaatcaatc	180
gggtatttag	aggcgggact	tgagggttggc	cttgagtctg	cgctcaacgg	cagccaggta	240
ctcgcgggta	gtaacccagg	cctcacgctc	ctt			273

<210> 4037

<211> 438

<212> DNA

<213> *Aspergillus niger*

<400> 4037

tggagtctgt	tacggggagg	atggagtctt	ggctcttcgc	taatgcagag	aagaagggtc	60
ttggactgca	gatccggaaa	ttagaggcta	tttatgcgga	gaagaggaag	cggttggaga	120
agtgttagtt	caaaatgctt	ctttaatcct	tttctttcct	ttgtggctca	ttcacttcct	180
ttttcttttc	cctacctttg	ttctttctac	aatgctccac	tctttgttct	ttcactaata	240
atccctcccc	tttcgacgat	gcacgtgaca	cgtacgcact	ttataccccc	tcatgtcttt	300
tccttgtttt	agtcgcagcg	ttggcgtttg	ggttgttgtt	tcataattac	atatgtactt	360
atttccttgt	tctttgtctg	ttatattatag	tggcctttgg	tctgaataca	tactgtagtt	420
gcatamattg	cacgtcat					438

<210> 4038

<211> 558

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(558)

<223> n = A,T,C or G

<400> 4038

ccgatgaatt	ggaacggctg	ggtggtagct	gtgctattct	caccctacga	attccccgtg	60
acgggtgcta	atctaaacta	cgccccgata	atcatggccg	gtgtgaccat	cttcgcccta	120
atctcttact	tcgtcacccc	cgaaagcgcc	tggttgccta	ttgaccgcat	ctcgcatttc	180
atcgacagta	agggtgctga	tgtgcacgaa	tccgttgagg	aagttggtag	tggtgataat	240
catcgtcagc	ctgaggcgac	aacgtcttcc	tcaggggagg	aggagaactg	agactatcat	300
cacgaggcgt	gcctcgagct	aatttttctg	ttgtatttta	cggttgggtg	ttgtcgttgt	360
gatgctgctt	ttgcggttgg	tgatccggtt	gagatggctg	ctgactgatg	gatcgagggg	420
aggaaggcag	gaaagactga	actgctgcac	cttccttcct	gaatgnatgg	atgaaaagtt	480
gcttggtatg	atatatgaac	taaaaggatt	tgtggggttag	gataccagag	ataatggatt	540
ntttcaatga	aaaaaaaa					558

<210> 4039

<211> 636

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(636)

<223> n = A,T,C or G

```

<400> 4039
atccttgcag gcaattaatt gacaactgca agtccattcg ttcattgcat ctatcgcgag      60
caaaacacca atactttctgt ctctactatg acctctgtct aacaaacacc atcaccgacc      120
caacatcacc cgcccaaacc tacactcacg acatcacctt ttaccaagac acacacacac      180
acacacacac acacacacac acacacgcca cagccagata gaagcataac aaaaccaaaa      240
tggtcaactg gctcaccttc gccgttccct tcgcctacct cggcgtcctc ctcggtcccc      300
tcgcaacctt ctctcccttc taccgcaagc gcaaagcccg caagtccctc tccctggaac      360
cctgggttccc gccacacacg caacgcgaca tctactttct cctcctacac ctcgaccctt      420
ccgctagcaa tgacaacaaa ggcaccggca agaaaccgcc ctctccctg cccgacagtg      480
tcttgaaatc cgtctctctg cgtcgcgcca tcgaagacat taaacgcgtc atgggcctgc      540
gcaagcagaa ngggcccttc gcgaatgctc ctccanccgc gtantgtccg gggatgattt      600
gtggnaaagg ttctgcgttg ccgagaaaaga aatggg                                636

```

<210> 4040

<211> 719

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(719)

<223> n = A,T,C or G

```

<400> 4040
agcatacata gatacacaca taccctttct actcaccttc tgccttgcctt catttaagat      60
gcctgcagcc ggcccccattg acgaccaatg ggtctctttc cacatccggg accacctgga      120
gaagggcgag atcacccgtc gacacaccgt catcgaaggt ggtgaattcc acgaccccaa      180
caaccgcaga cagtccttca ccgaagacga gatcgatgaa atcaccatcc cctcgtagcg      240
catcggtgag atctgtgctc gtggtcgccg cggcagcgag ggccggctgg acctcttcca      300
cgacgaggaa aagatctgcg aattgcaactg ggataatcgc cagggcaatc ctgtcaacat      360
cgtcagatag ctggacagta atagcaagta tcgtgtcgaa catgggggat ggagcccaga      420
ggctggacct ctgggcccag tctacatcga cattttggag cagcagaaga agaagaatag      480
caaataacgg cgtttgggat ttttaaggagt tgtccggcga gttccggatg cagcartgct      540
gcaggagagg gcgttagcat attttgatct gtttctcttt tgaaatcgac tgattgtgtc      600
gagtgtcgta taggagctgg aaatcacatc atactcatag tcaacgcgaa gtgaatattg      660
ttatttcaaa gcttatgaan aaaacaanaa tgacaancaa agnaaaaaag aaaattcct      719

```

<210> 4041

<211> 327

<212> DNA

<213> *Aspergillus niger*

```

<400> 4041
gcttcacgat gtaaccgatg aatcccatga tcaggaaacc agtaccgaca gcctggctga      60
tcttgatgaa ctgcgcttg tcgggcttct ggctgcggtt gacgaactgc acgccttatg      120
gatgagcaga ctgcgatgac ggcattgtag tctcgtccta cgcggaggcc agccgttgga      180
attggcatat gtgcataatt agtctgggca ggcgttaggg tgtgtgttta atatatecat      240
tgaactcatg gcaagctatt aaatcaacgc gctgttgggc aactatcaaa gcttatagtg      300
aattatatac ccagtatctg tglacttc                                327

```

<210> 4042

<211> 457

<212> DNA

<213> *Aspergillus niger*

```

<400> 4042
cggccctaag cagttcactg acaagaccac tggtagcctg atgatgatgc ccgctgacct      60
tgccctgacc aaggacaagg ccttcgcgaa gtacgtcgag ctctatgcta aggacagcga      120
cctcttcttc aaggacttct ccaatgtgtt cgtcaagctc ctccaacttg gtgtcccttc      180

```

caagactgag	gaccgctatg	tcttcaagac	ctctgagtag	atattctcgg	ggctctttgtg	240
aatattctgg	gttcgggttg	ttttaggatt	tttgctgcgg	agcattgttt	tctcttggtc	300
acattttgat	atccgacatg	ttctcgatcg	atgttcgacg	accatagcat	gcgtcttaga	360
caggcatgtc	ttgccgcggg	gcattaaacc	atacaggggt	ggaaatgtct	agatgattag	420
attaataaac	catccttttg	aagattcaaa	aaaaaaa			457

<210> 4043

<211> 565

<212> DNA

<213> *Aspergillus niger*

<400> 4043

cagggactga	acgccgggtct	tgaggatatt	cctgtttctct	tttctttcat	ggaccagtat	60
ggcgtgtatg	atgattccat	cagtcccacc	cctgaagccc	gcgcctctgc	ccgtgccgca	120
gcattgcaag	catacaccaa	ccaacgcaca	gccgatacat	gggcgatcaa	tgacctgtct	180
aagcaaaaat	atcttgagat	ggcgtggggc	gtcaagagtc	cggtttataa	gctgcggcaag	240
atgggtggagg	agacgttggg	tcattatgtg	ccgagtcctg	gatggcagac	acagtattct	300
cgggtgagtt	tcagtaatca	gaggatattcc	gagggtgatcg	cgtctgtgaa	gagacagggg	360
aagttgctag	gtgtcgctgg	gctgagctcg	gtactgggtg	cggatgatgat	tggagctggg	420
gtgttgatga	ggtggccgga	gaggttgtca	ttgggagctg	tgtggaggac	agtgtttgga	480
agaaattgag	ggaattgtaa	gtattttctct	tttctgagat	tggtggtatg	cgttataaaa	540
cagcgtgtgt	aagtataaaa	aaaaa				565

<210> 4044

<211> 544

<212> DNA

<213> *Aspergillus niger*

<400> 4044

ctagacacct	actacacttt	tctctccaag	tcaaaatcctc	tgacagatct	ttctcgctaa	60
agaggcaata	aaagaagaac	tcategtctc	ttgaaccatg	gaccagctca	acagcaagca	120
agaaatcaac	gacgcacatg	caaatacatgc	gtccttcctc	ctgatgttca	cggccgtgtg	180
gagtgaacgc	ggcaatgtaa	ccaaggaaaa	gtttgagagc	attggtgcca	aataccctac	240
cgtgtacatg	gcctgggtta	gcaccgatga	ccatcccagag	ctggctgagg	aatgggggta	300
cactgctatt	ccggctaccg	ttggttataa	gaatggcacc	aaggtggaat	attacatcgg	360
tcctcaatta	gtggaccagc	aggtcgaggc	gtttatcaag	aaggtggtct	aacttgggtga	420
gggaagggtt	gatcttctac	ttggtggttg	ccatttggtta	actagacgat	ggatgccacg	480
agtatatgta	gctagactat	actatcaaa	agaaatatat	tagtcacgac	gtgtaaaaaa	540
aaaa						544

<210> 4045

<211> 461

<212> DNA

<213> *Aspergillus niger*

<400> 4045

tgggaaccgt	gaagccagtg	ggtggtggat	atctgtacgc	actggctgcg	gacatccaga	60
ccatccccgg	attgccgacg	gcgcctggat	acttgaatgt	ggatattgac	cctgagaccg	120
gagagattga	cggctctgtt	tagacggtag	attcaacgtc	atttagtgct	tagatttggg	180
actggtttta	ctttcatala	gtcatcgatt	actactgiti	gacttagcat	gattctctgg	240
tcacgataaa	aacgggaaaa	gggagaaaaa	gggaagggtt	tatttcaaca	tttggcggca	300
ggacttatac	agggccgggtg	ttctcgggtc	actgaaggag	ggtcaacttc	aacaggattg	360
cagtgctctc	ttctggcgat	atacatacag	actactatac	tagaagagga	tcgatgtag	420
aaattctact	gtggagacta	tctcaatatt	gaaaaaaaaa	a		461

<210> 4046

<211> 426

<212> DNA

<213> *Aspergillus niger*

```

<400> 4046
accacgatca ttgactgccg gccccctctt ttctctcttc ttagccgccg atgcgtttgt      60
catcgatcat cccattcact gatttatcat cccaaggctc gagactcgct tcgtcaacta      120
catatctagt ggcgcattcc ctggtaccag tacgattcat cagaactact gctcctactg      180
gtccatatca ccttgccgaca tcaactgcgat caagccatcg gaacattttt cctctccagc      240
gcatttactc accaccatca cttccatcgt cgcattcccc aagactaaga ctactatcaa      300
ccatgtcttc cgcaacgacc ttctacgact ttgagcctgt cgataaaaag ggctccccct      360
tccccctcat cgacctcaag ggcaaagtcg tctctgctcg caacaccgcc tccaaatgct      420
gcttta                                           426

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```

<210> 4047
<211> 501
<212> DNA
<213> Aspergillus niger

```

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<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

```

```

<400> 4047
ggagtggagg aggtgggagg tgtggtgacc gcgatgctca gcgctagata gacacaagca      60
cattctgcaa aatggcctcc atcgcgcgcc agtcttctcc cctcctccgg tcggcggtcc      120
gcgctccctt cgcgactaag aatgtcgcgc aggtcgtggc ttttcatgct tccgctaaga      180
agcagatctt gcctcctttg cctcagacta ttcagggaac gatgaacgac cccgctccca      240
tccccaaagc tcacctacc gagggtagct accactggac ttttgagaga atcgctctctg      300
ccggctctcg cctctctctg atcgctccct tcgctgctgg ctccatgagc cccgctcatgg      360
acgcgcgcat tgcctcgcta tcgcgtcact cgcacatttg ggtttcacgc cttcatacacc      420
gactacttcc ctactngccg ggtccccaag accaaaacttt atgatctggt tgttcgggcg      480
ttaccttaag aacgngtgct g                                           501

```

```

<210> 4048
<211> 411
<212> DNA
<213> Aspergillus niger

```

```

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

```

```

<400> 4048
tggagacaat ttaccacttt gtgacatctc cgccaatqtc ttqqtcaaqt caacacaaga      60
atgggacctca gccgccaggt ctccctagtg aagcctgagc ctgatcttct ccttggtttt      120
ggttcgtttt taaagctgga tggatacccg ccttggcata tccgcctcac tgaaatgtac      180
tgcaccggtg gtaggaatag cgggataacg aattccgacg aggctgttga gtaccacggg      240
ttcctcaggg gcctatggca ctacgccggg gctcagatga gattcggccg ttgatggtaa      300
cttttttttc tctctcgtga ctgccaaagc gacccttggt atatactgga gttcaattcg      360
atctataatt gaagaaagcg gcactanctc ggaattttat ccaaaaaaaaa a          411

```

```

<210> 4049
<211> 415
<212> DNA
<213> Aspergillus niger

```

```

<400> 4049
ccatcagact ctagaaccaa atagagccag agccatgtcc taccarcagc aaccgcctcc      60
ccagggatac taccctctc ctggtggcca gtaccacact cccagccca tgcaatatgc      120
gcctcccca caagaamcct ccaaagaccg tggttgctgt accamctgtc tcatcacaat      180
gtgctgctgc ttcctctgcg argaatgggt cgagtgtctc ctgaagccg ccgaatgttg      240

```

ttgtttgtggt	tgtagtagt	gtgatgatgg	ctttcctttg	atttcttatg	tgcaaggcgc	300
tgtgattggg	attatacctg	gatcgaccgc	acttgggtga	attcttttta	tactactgtc	360
tatattat	tggtcattat	catgccaatc	gatcatttgt	cttcatgaat	caaaa	415

<210> 4050
 <211> 579
 <212> DNA
 <213> *Aspergillus niger*

<400> 4050						
aacgaattct	gacaaccacc	tgacctttca	tccataacct	acctacctta	ttatccatcc	60
atctttcacc	tcccccaaaa	aagcaaaact	ataaccctta	accataacca	tgctccgcc	120
atccatcacc	aagtcctcta	ctacccgcct	cctcaccacc	accactactc	gttcctttctc	180
tgctctcgct	cccagaatgg	gtgctggcga	taccggtgct	ccccggccgg	gcggttctca	240
gcctgctgac	tcgttcacca	agcgcgaagc	cgccaggaga	acttgatgt	tcgcgagaag	300
gagatggaga	agctccgtgc	cctgaaggcc	aagctcagcg	agcagcgcaa	gcaccttgat	360
gagctggata	agcacattga	cgagttcacc	aagaaccagg	ggggcgagca	gaactagata	420
actcatctct	ttctctttct	ctacttgtgt	ttcttatcat	atggatgatg	tgatgattcc	480
tacataccta	cctacacctg	scatattaact	ctactctata	tcttcggaat	accgacgaaa	540
tcgaacgac	aaccagacag	atcagatcct	tttataaaa			579

<210> 4051
 <211> 615
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(615)
 <223> n = A,T,C or G

<400> 4051						
aagagccttg	ggataccatc	tcgccctgtt	atcggcaaag	tggtggccgg	tatcttcctt	60
gcgattagca	tctttacttt	cacactgtac	tcgcctctgg	tctacggcaa	ccccgggaca	120
caggacgctt	gcaacagtgt	aaagctcatg	gacagctggg	actttgactg	ccacacattc	180
tacactagcc	ttgaccagta	tgtgacccaa	attgtggaca	cgcacgcggc	catccccacg	240
actcaggcat	cggtacaaca	agcaccctcc	gttgatgatg	aacaaccacc	gcagcagcag	300
gtcccgcagc	aggtccagca	acagaaccag	gaagtcctgc	aggaggaggc	ccagggaaccg	360
ggtgtcaccg	cccgggctcg	gcacactgcc	aaggcccgtg	tggaataccg	tgatcaacac	420
ggaaacgtgc	tggacgaaga	acttggtgct	cagttgaaga	aggaaggtaa	ggtccagttc	480
gagagccgtc	atgagacgaa	gactcgcttg	gagaacggcc	gcattgtcga	catgatcgac	540
ggtcaaatcg	gcccgcctnac	cccgaagttg	aangtcagaa	ccttgaaact	gttggaaaga	600
cagccacctn	angct					615

<210> 4052
 <211> 392
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

<400> 4052						
ggggtgagcc	ggtattcggg	gcagggatag	ccgaaggacc	gtcgagcaac	gaggcaagat	60
caccatggcg	gcattgtatg	ctgtgcaggt	cttctatagc	tttttcatca	tgctgctctt	120
catgacgtac	aacggaattg	tcattgctcg	agttgctggt	ggcgcccttg	tgggatattt	180
ggcggtttga	gacaatacat	ctgccagcaa	aacagttgct	tgctattagt	gggcccgaag	240
cacgaaggct	tgccaggagt	actggcgga	actcggcata	ttctcagtaa	tagcttcggt	300

ggatagctgt	agtcgtcttg	tcgtttgtaa	acagcagcag	ttgcatactc	gtccaatgaa	360
catttatgcy	ttcacttgca	aaaaaaaaaa	an			392

<210> 4053
 <211> 629
 <212> DNA
 <213> *Aspergillus niger*

<400> 4053						
cagcaacaac	cacccacctc	ataaaatggc	accccccaaca	acatcacccc	ccaaaacccat	60
caagacatcc	ctcctcctcc	taagcgacac	ccacacgctg	acccccctcc	cccccatcca	120
ccccaacacc	agcacaccct	tccgccatcc	gtcccccgcc	acggacctcc	taatccacgc	180
cggcgacctc	accaaagtcg	ggcacaagca	cgaacacctc	acgacgctct	cattcctaaa	240
atccgcccgg	gcgccaatca	aactcatcat	cccaggcaac	cacgacatca	cgctcgacga	300
accatactac	aagaaaatcg	gacactaccg	ccaccgctac	cgcaccgacc	atacagcgcc	360
gtcgggcaca	agcgggagcg	ataatgtgtc	cggggggaag	ggaagcgccg	gaatggcggt	420
aagtgatgat	gaactaaggg	agatcaagga	actatatacg	gggaaagaag	cttgggatgc	480
ggggatacgg	taccttcgag	gaagggaacg	atgtgttcag	gttacagaat	ggggccgtgc	540
tgagggtgta	tgcgaagtcg	gtggacgccc	gagtttttgt	caatgggggt	ttgggggtatt	600
ccgcggcagg	ttggatcggt	ataatcctt				629

<210> 4054
 <211> 589
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 4054						
gaagactctc	atttctacca	gaacctaaac	tgcgccgaca	ggcattcctt	accggaacta	60
agaacgcata	actactgggc	gcgtccgaaa	gacttgcgac	tgtctcctta	ttaaagatgt	120
cttacaacaa	acctgaccag	cctcctccgt	cctaccctcc	tccaacccac	gacgccggtc	180
cctaccacca	aggcgcatcg	caagactact	acaaccaggg	tggttaccct	caacaagggt	240
acaaccaggg	atatccgccc	cagggctacg	gtcctccgcc	gcagcaagga	tactatgggt	300
ctcctccgcc	tcaaggccag	ccgatgtact	atcccccgcc	gcagcagcaa	caagggtact	360
atcccgacaa	ggaccggggc	ggatcctccg	ggggtgggat	ctgcgcgggt	ataatgggoc	420
gcattggcct	gctgntgctg	cttggatata	ctggctctgag	aaacgtgctg	ctttcagtga	480
ccttttgatt	gcgtttggat	ttggtgcctg	gcgtctcttc	tcgtctanaa	tggatgcgat	540
tgactactac	tgatactgga	ttggcattct	tttggttggg	cccaaggat		589

<210> 4055
 <211> 566
 <212> DNA
 <213> *Aspergillus niger*

<400> 4055						
gcacacactc	cggcaagctt	tctgtctgtg	cggctcctcc	aatacaatga	gcacccgggtc	60
gaaggggtct	gcaagatctc	gatggagatt	cttttagcag	tgttgctcgt	cccatctcct	120
ctgcgtcatg	tgcgtctggc	tctgtctcgc	ctttctcatc	cgaacatgaa	gggcttttgt	180
gtagcggtaa	tctctctcgg	tcaagaaccc	acctcttggt	tgggtgatct	tggagaagtc	240
gtattcaaac	aatttggtta	agttggcgcc	cggcttgatg	ccatctaggg	ggcgattatc	300
tgtagaggcc	gcattcgccg	gagtcgcccg	aggatcggag	gcaatcatqg	aqqaqtatqt	360
tgcgttgaca	cctttgggtg	acgaaggatc	agcattgtga	gctcgagott	gttcgggttc	420
gcgttggtct	cgtattgcta	tggtttctct	gcgattgttt	tcttggtatc	aatatcgtgt	480
cagctccgaa	ctagaggaac	cgtgatcata	gtatgtaata	ttctccgcaa	ttgctctggg	540
gttaacggat	tccgtttaaa	aaaaaa				566

<210> 4056
 <211> 647
 <212> DNA
 <213> *Aspergillus niger*

<400> 4056
 ctgcgagaag ttttcgaatt ctcttcgaag atgagagcca agtggagaaa gaagcgcgtc 60
 cgtgcctca agcgcaagag aagaaagatg agagctagat ccaaataaat tactcgccca 120
 ctccatctca gctcttcatg tgaacgctca agttgaacgc taaacatgac aattgcgacg 180
 acgtcacgat gatgattcca gttatgatcg ttacgtgggt cggatatctca atcgaggcct 240
 gtctgggtctg ccacaacatt ctccgtgcaa tcgacttcgg agcccgcctg tcagcagggt 300
 gaaaagcgat tttctccaca tccaatccct cgggctcgtt ataacgtttt cgatcttctc 360
 ttgatttctt tttgatccag acagtggggg tgcgagtgcc gcattctttt cttcggagggt 420
 acgaatgtgt ttggtggggg tggaggcac ggtggaagag tcaaattggtc tttctgtatt 480
 cctgtactat ctactctttt gccattgccg atgagctttt cgttggggac tggtaattt 540
 ctctgtctct ggtttctgtt ggggaaatcc gatggaaatc cgggcaatgg agaggtcatg 600
 agaatttatt ccaaatacca aaaagttacg acgcaaaaaa aaaaaat 647

<210> 4057
 <211> 489
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(489)
 <223> n = A,T,C or G

<400> 4057
 agtcttgaac ttgacgtcgc taatcttgtt gctgtccttg tcgacgcgga tctggagttt 60
 catgacatcg ccacaggccg gggcgccgac gagtcgcga tctcggatta ctacaccaag 120
 aaccctcgca ccgtgaagac cgatctgtcc ggcacgggtg cttctatccc ggaagtgcag 180
 gtggaggttg agaagaccag cagcgcaact gcttaagtct tttctctagc ttttacgaac 240
 gagtgaaaaa tctgaaaaaac caaaaatata cggagcaaaa atggatacgg atacggatac 300
 agataccatg attgattccc gattaagagt gctggagaga agagcaaagc agaatgatac 360
 aatggagatg agatgagttg cgatgtgaac tgtatggatt tggncatagg tgggtgtggaa 420
 tgaatggaat ggnctgggtc gaatatgtga ttccccaaa tatctgggtc ttgcagcaaa 480
 aaaaaaaaaa 489

<210> 4058
 <211> 500
 <212> DNA
 <213> *Aspergillus niger*

<400> 4058
 ctccccctt cgcacatcggc gtctctctct tccctggctt ccaagccctc gacgtctttg 60
 gccccctcga cgttctcaac gtctctctct ggtccccaac caccactccc cccgtcacc 120
 tctccctct ctccaccacc ctctccccc tttcaacct gctcccaat ttcccgcacg 180
 cctatcccc atccatcctg cctacagcca ctctctctc ctgccccct ctgcacgtcc 240
 tcaataatcc cgggggrrgg ggtactcggc ccccgctccc cgaatacaca gactatattc 300
 ggactgtcta cctactctt aagtacctgt tgactgtgtg cacgggtggg aagttggctg 360
 cgagggcggg ggttctggat gggaagagg cgactacgaa taagaatgat tgggaggggc 420
 tgggtgaggga tgcgccgggg gtgcaagtgg gtgaaggagg cgaggtgggt tgggtgatagg 480
 agtcatgttg ggggggatgg 500

<210> 4059
 <211> 240
 <212> DNA
 <213> *Aspergillus niger*


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<220>
<221> misc_feature
<222> (1)...(240)
<223> n = A,T,C or G

<400> 4059
gatgctcagc tgggagtcgg gctggacaac ggcgaaacca ccagacagga agattgccaa      60
cggaagcggc agcgagcagg atattgctga ggccaagatt gagcttgagg tgctggagag      120
cctgcaggcc gtctcctcaa agatacctga tgtacatata cactcgcgac ttcaactttg      180
aacctgtaga attatagcaa ttctcatgaa acactttttt gcatgaaaaa naaaaaaaaa      240

<210> 4060
<211> 413
<212> DNA
<213> Aspergillus niger

<400> 4060
cccccttcaa cggggggtttc ttcacacatc cgcaattccc accggataac acagccggcc      60
tcgtcaccat cacaggggaa acgcccacca cgttacgctg ggtcttcctc gacgtcacca      120
cgcacgaggt gcgctggggg gggcggggcc agagcgaggg ccaggtgtgt gggccctttg      180
actggacgaa ggacgaatcc cggattacgc tggaggggtg ggaggggtgg ttggcagtaa      240
ggtttccggg agtggatgag gaggggggtt ggaggttgtg gtttgatcgg gatgatgatg      300
gggctggatt gaaggacttg ggtgagaagg gaatggaggt gcaggggttg gaggtcgtat      360
tgaaaagggt ttcggctgaa tcttgatttt atttacttac ttaaaaaaaaaa aaa      413

<210> 4061
<211> 373
<212> DNA
<213> Aspergillus niger

<400> 4061
gcgggcagcg gcttgattga gattcgtcgt atcgatgcc a gcaaggagat cgcgacgacg      60
cttgccaaca accccaacgt cactatctct cctggtaacg atggcaagga aggcggaaaag      120
agcactagcc tcttgctggg cttgagaaac tagaaggcgc tgtggcttgg tgaatggaat      180
tacgtgtatt tcttatttct cttttctttg ttgttttctt tcaaccggat ggatctcagg      240
cgtgcattat ctccgtggcg aattaatgtc gtttggtctt ctttcttcat cacttctctt      300
cttacacacc ctctgcacg catgcactcc tacacgcatg aacctgtagc aatatcatac      360
ccattctctt ctc      373

<210> 4062
<211> 622
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

<400> 4062
cccaatctct ctcaaaaact cctcaaaaatg gccaaagaaag tcaagtcgcg caccatcacc      60
gtggcgctca tctccatggc catgaccggc tcttatcgca cgatgatccg tcccgttacg      120
caccgcccgt tcagcatgct caagtaacgac ccgctcgtga agaagaaggc cctgttcttg      180
gaggctacga aggggtggcg gaataaatag atcatctgaa gttccggcac ctttggtttt      240
actcqqttgc tcttttcaaa taactgcacg gcgggacggg cgatatacat acatgcattg      300
tjcttgggaa cgatagtcgc gctgcgcttc gcttcttttc caccgttact cgtacgaga      360
cgaactgcac tttgcgggat gcagatacct ataccgatac tgccggcttg agcttcggaa      420
ttagccatca ctggatcatt ttttttatcg atatgagacg atcatgtaca ttagacgggtg      480
cagtgggtgag gatggtcgtg ggagctgtgc cataacgaca ggcttctgtg gacgttcgag      540
ctgtgtatct ttttcqqtgc tatattgtgg cgttttagagc aaqacatttt gggttgaatc      600

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aatcttcaat tactatcaat tn

622

<210> 4063

<211> 634

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(634)

<223> n = A,T,C or G

<400> 4063

ctttgcacct	gtgccgtgca	cggtcgagcc	attccttcat	tctttgaaca	tattgcctga	60
ctccgagtag	tctagcatcc	actccttgca	agagcacttt	gagagaaccg	gtcttctcat	120
actcaaaagt	tatacataca	caacacttct	ctccgaacaa	aaccgaacaa	aatttcgaga	180
acacatacac	aatgggtctc	ttcaagltct	ttctgaccgc	caccaccttg	gccaccgcgc	240
ttctggccat	ccctcatagt	ggccatggcc	atggcagcca	caagcaccgt	tccactcatg	300
tcgcctccaa	gcggacctct	tctccaagc	gtggcgctgc	ctacaactct	gcttccagcg	360
ttcacacgct	gacttacggc	tctccggca	acggtaccgt	ctcctggggc	tacgactgga	420
acatgtacgc	cgacggcacc	ctcccagta	acgtcgaata	cgtgcccattg	ctgtggggca	480
acaagatggt	tggaggctgg	ttgaccgcca	tcgagactgc	ccttgatagc	ggtagcaatt	540
acatcatggg	attcaacgag	cccgactcct	cctcccaaag	ctcgatgact	gcttccgang	600
gcgccaagct	cctacaagaa	ttacatcact	cctt			634

<210> 4064

<211> 583

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(583)

<223> n = A,T,C or G

<400> 4064

cttctactac	taccttaaac	tcttctactac	ttcatacatc	aatcatcatg	gcctggggct	60
gggaccaatc	cgacgacgct	caccgtcagg	tgtacgagaa	caagcacgag	ggtcacttgt	120
cccacgagct	cattgccggt	gccgttctct	tcgcgggcat	gaaggccttg	gaggaccacc	180
agcgcaagca	gggcaagacc	gtcagccacg	ctttcgccaa	ggaggccctt	gccgccgttg	240
ttggcgctga	ggtcgacaag	ctcgccgaga	ccaagggcct	ggacgaagtt	gacaagatca	300
aggnccgcga	gcacgccaaag	aagaacgctc	ancacatgta	cgangagcac	tacgagcgcc	360
agcacgtgct	cccgaattcg	accggccgcg	ttctctccct	gaccgctten	agggcgctcg	420
gtggctggta	agaacctctt	gttgatggtg	aaacaactgg	attggactac	cgcnngggtn	480
acacgaaaat	gntgtntgga	atgaaacaat	atgtcatggt	tgaaacccga	taacggctcc	540
ccggatgata	taacnataac	nagnttccaa	tgantntttc	caa		583

<210> 4065

<211> 466

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(466)

<223> n = A,T,C or G

<400> 4065

aatgggctcc	ctaacaagaa	aagaaagtgg	tcccaaaggg	gcaaagggtc	aaaggacaaa	60
ggcccaacaa	cgccgtccgt	cctccgaaga	aagcaagtgc	ctgaagcgtc	tcaacaagga	120

tgtccagtc	taccgtctga	tcaactgtcgc	cactctgggt	cgaccgtctc	aagatcaacg	180
gcaagcttgg	gcccgcgaag	tgccttgctg	accttgagga	gaagggacaa	gatcaagaag	240
gttggttggc	actccaagat	gaacgtctac	acccgcgcgc	tcaccgccga	gtaaactgat	300
gacgctatga	atatttttcc	tcgcgcgtcg	catttttctt	tgtgcaacga	tatgatata	360
ctcgaatgaa	aattcggaaa	gtanggctgg	gcgatttgat	gggacatgtc	atgttagaat	420
atgactgact	gggaattcaa	ccaaaatctg	ttccaaaaaa	aaaaaa		466

<210> 4066

<211> 447

<212> DNA

<213> *Aspergillus niger*

<400> 4066

cctgtacatc	gctcagctgc	gccaaaacac	cgccccaac	acgcccgat	ttcccaccat	60
gcccgaaggc	cccttcgtgt	caacctcgat	tcctcaagac	cagtactctg	ctgctgagaa	120
cgggcagatg	tgcacaaccc	aattttgccac	tcctccgact	gattccaaaa	agcagtcggc	180
gttccagctt	caaccacccc	caattcgggt	gcagcagga	tctccgcagc	cagagcagag	240
tgaattccca	ccaccacccg	caccagctcc	ggttccaagt	gcccctaacc	agcacatggg	300
cgcagcacc	ggcgaacgaa	cctatgaatc	tgtgccatt	cccgggtgct	attccggccc	360
catgagtcct	agttttcccc	acggagccca	ccagtaaaaa	gccttgaccg	tcacattgct	420
ggctcgacat	gagtggataa	atcgagg				447

<210> 4067

<211> 384

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(384)

<223> n = A,T,C or G

<400> 4067

ccatccgaca	cgccgcgctt	agttgtcctg	ctgggtatga	tgttttggat	ggtgggtcga	60
gggtgccggt	gggggttatg	gcgatgggag	agtgggggag	tgaggaggag	ttgattgcgt	120
tcgcgagggg	tggggagggt	gttttggatg	ggactgctgc	tgctgatggt	atggagcaga	180
gctcgggggt	gacggttctt	cggggggaaa	ggcgggcttg	ggaggatggt	attgctaaag	240
ctgggggagag	aagatgagct	cttaggtttc	gatgtagtgg	tttatttcgg	gatttgtggt	300
cactctaatt	agtcatacca	tagtgaccag	gagtttataa	ctctgacgat	tctaataata	360
ataatatggt	cgattcnaaa	aaaa				384

<210> 4068

<211> 568

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(568)

<223> n = A,T,C or G

<400> 4068

ctgcccagtag	tcatatgctt	gtctcaaaaga	ttaagccatg	catgtctaag	tataagcact	60
ttatactgtg	aaactgcgaa	tggctcatta	aatcagttat	cgtttatttg	atagtaacct	120
actacatgga	tacctgtggt	aattctagag	ctaatacatg	ctgaaaacct	cgacttcgga	180
aggggtgtat	ttattagata	aaaaaccaat	gcccctcggg	gctccttggg	gaatcataat	240
aacttaacga	atcgcattgg	cttgccgcgg	cgatggttca	ttcaaatttc	tgccatatcaa	300
ctttcgatgg	taggatagtg	gcctaccatg	gtggcaacgg	gtaacgggga	attaggggtc	360
gattccccgag	aggagacctg	agaaacgggt	accacatcaa	ggaagnagca	agcgcgcaat	420
accatccccg	aacgggaggt	agtgcataat	ntgatnccgg	ctntttgggc	tcgaatggat	480

gagacaacta atccttacag gacaattgag gcaagttgtg cagcggccgt tcacatnttt	540
aagggccaat tcgcctntag gggcggtt	568

<210> 4069

<211> 643

<212> DNA

<213> *Aspergillus niger*

<400> 4069

ctctacttcc tactctacct taaactcttc actacttcat acatcaatca tcatggcctg	60
gggctgggac caatccgacg acgctcaccg tcaggtgtac gagaacaagc acgaggggtca	120
cttgtccacg gagctcattg ccggtgccgc ttccttcgcg ggcatgaagg cctgggagga	180
ccaccagcgc aagcagggca agaccgtcag ccacgctttc gccaggagg cccttgccgc	240
cgttgttggc gctgaggtcg acaagctcgc cgagaccaag ggcatggacg aagttgacaa	300
gatcaaggcc cgcgagcacg ccaagaagaa cgctcaccac atgtacgagg agcactacga	360
gcgcacagcag ggtgctcccg agttcgaccc cggcgccttc cctccccctg accgcttcga	420
gggocgtcgt ggtggctggg aagaagcctc tttgtgtgtg atgggaaacc aactggattt	480
gggacctatc cgcggggggt gacacgaaga tggatgtgtg gaaatgaaac gaatatgac	540
atggatttag agcgtcgata cacgggctct cctgcatgca ttcttatcta ataaaccaag	600
atatccaaat gaagtattta tctcaaagca aaaaaaaaa att	643

<210> 4070

<211> 630

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(630)

<223> n = A,T,C or G

<400> 4070

cacttgtggg ccagcttaa gtttccccctt cccacacacc ctcccataag agttatcgtg	60
aaccgtcggg ccgtttccaa gaccgtcaac ccacctacga tcaggctctc cagaaccagc	120
tcgatatcac tgagcgcgag tatcgtcgtc gggccaacaa ccctacctac gacgttccgtg	180
cctcttcgtg cgaccgcgcg tctcaggctt cggtagattc cttctctggg cctcgccagc	240
agtctagggg cgtttcgtac gaccgccaat tcaagcagtc cgagtttgac gtctcgtacg	300
accgtgctta ccagcctaag cctgtcgact cgtacccccg cgacccttac agccgccgtc	360
aacagaaagt tgagccgggt cccgagcttc ccagcagctc gaactctgta aaagtctca	420
agaccaagac tgtcattgat tccccctctt ctgcgaagat gggttactac gacgacgacg	480
ttcgtttccg tgaaagcgtc cgcgaggatg tccgtatcgt tgaacccccg gccggtggga	540
agctcctcga accccgagac cgtgccgatt ccttgcaatt catccgaatt gngacatcc	600
tgatcttcaa gggcgctccct ggcaagtggg	630

<210> 4071

<211> 546

<212> DNA

<213> *Aspergillus niger*

<400> 4071

gctgccccgg ctgagggctgc tgccgctgag gagaagaagg aagaagagaa ggaggagtcc	60
gaagaggaca tgggcttcgg tcttttcgac taagcgtctt caaccgttcg ggtttcctaa	120
tttttccctt tctatctcgt ttccttacta cctccttttc gccctctcgc atttcttgta	180
cctgatacta cgcgaccgca cgaagaccaa aaagggaata ttaaaagaaa gaatgaacgg	240
acaaggaatc cccgttggac tgggcgctct gctcgcatga taggttcgt cgtgaaaaag	300
aaccagaagt gtgtctctta cgtagtactt tctggggggg gaacggcgat gccgttggga	360
ttccggtttt tctggggggg gcgaagagat tcggcttcgg ctctcttgt gtctctgatg	420
ttgtgtgtgc ttgttgctac tatgctatat ggctgtgtct ttcgagctta ggtgccccag	480
ctctcatgca atgtctgtca tgcgaccatg agcaaaacct cgttcccact gttcccaaaa	540
aaaaaa	546

<210> 4072
 <211> 833
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(833)
 <223> n = A,T,C or G

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<400> 4072
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ccaaacctaata atctaccaca ctacatacat acatacaaaa ccttccacac acacacacta      120
caatccaaca accacacaac acataactcaa aatgaaatac gctctctcta ccatectect      180
caccacccctc ctgcgcaactc cctccctctc caccocggcg cccgagctcg tcagcgagcgc      240
cctcgggagtc gcccacaacaa tegtctcttg cgggtgaatcc gtggnaacca acatcgccaa      300
cgacgcgacc tccatcgccct cagacatcag aaccggcggc ggcgagcct actcctccct      360
gacctccgac gccgggggacg tggcctcgaa cgcgaatcc tggggcacgt ccgtggcgtc      420
gaatgcgcgg tctgatgcgt cggccgcggc atcggaatc agatctaagg cgtcggatgt      480
cgccctcagag attacctcga aatgggagag cgcgacgacc ttgacggggg cgaatggsca      540
gccgacgagt acggagacgg ttagtgggaa gacgacgctg actgctagca cggcgagtgc      600
gacgggtacg agtgctagtg gatccagtgc tagtgcgacg agttcgacga gtgagggcgc      660
gggcgtggct atggcgacgc ccggagttgg gttggggctg ggagttgcgg gtgtcgcggg      720
tgttttgggg gttatggctg ctttgtaagg ggagtgagtt ggtgatgatg gaagtggggg      780
agattgtttg atgggtaatg gatgggccat gattgatacc aatgnatatg atg      833
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<210> 4073
 <211> 464
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(464)
 <223> n = A,T,C or G

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<400> 4073
gccacaccaa accaaatggc tctctctcgc cctctccagc ggcgccctcg cagcccttaa      60
cggcctcttc gcaaagctaa caaccgacac tggcaccacc accttcgctg cacacctcat      120
ccacctcttc acctccgcca acaacatctc cgacgcagac cttatatect ctcaccttat      180
cctcatgctc ctaatecgcg gcctctgttt cggctcctaac atccttagca acatcatcat      240
gtgggcgttg ttcacgcgcg ccttgacggc ggggtcctcc accacqaagg tqtccattac      300
caataccgcg gctaattttc tggttacggc tatgctaggc atgggggtct ttggggagag      360
ggtcggcggg tgggtggtggg ttggggccgc gatgatggga agtaggttgt gttattgttg      420
ggaggaggga ttagttatct tctatgtgat agggangggg ttgg      464
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<210> 4074
 <211> 214
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 4074
cggcgctcag ggtttccccc gcttgatccc tcccagtcg acgctgggtt tcgaggttga      60
gctgctcggc atcaactaaa ccagctatac tactatggta tagtatactg gcttagtggc      120
gggaaatatg aatgaataaa aacggcggtc cttgttcgat ttgatatact aactagatca      180
atacaatcga tcagtcgaag taatcaatca gtag      214
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<210> 4075
 <211> 607

<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 4075
acggaagcca ctcccaggca ctggactgct tacggacca ttagtcgggt tggatacaga 60
ccaggaggct tgggttcggc agcatggcat cgatgcgaat cgccaagaca ttggagttat 120
cgtcatcacg caggaggatg aggagtactg ggagaacttt gtcgaggatg aagaggacga 180
ggaccgggtg gatagcgagg acgcagattc gaacgctgaa aataatcccg caaatgacta 240
tccagatgag gaattgtcgt gggacgatga agaggacgat ccaacggcta tctacaacaa 300
ataccggacc tacgctcggc ctgatgacga ggagttcgac tttgacgact cagccagtga 360
ggggcgccat cgtagtggat tggggtttgg gtgcgacgtg gattcagacg gcgagagctg 420
g'gatcggag ggattacggc gacacacgca cacagaggga gacacgcaca agccatcaat 480
cgggaagcaa gtgagcangg aatgagggca tggctgaccg aacaatgagg cagcgagact 540
aactcgggtg gctgcgtctg cagaactcac gccttgtttg ggttgaggaa ttcacgtat 600
gtatggg 607

<210> 4076
<211> 428
<212> DNA
<213> Aspergillus niger

<400> 4076
gaatccccct atctaaccct caccgtcaaa atggcattcg cttggaaagc tgcctggctctc 60
acctacaacc gctacttgac cgttgccgct cgcgcggctc gcaggctctc caaggacggt 120
ccccgtgctg ctgctgagcg ccgcggaaac atggacttgc gtttcgccaa gtgggagaaac 180
ggcaagcagg gtgaagtcaa gtccctcgcc aaggccaacg atgaggctct tgcctgctcag 240
gccgagtcga aataaatacc ccgtcccga aagtgtgtgaa agaagtcggg aagatgtatt 300
ctggatgaag gatgtttgag gtctcgggtg gaagccatgg gcaggaaatgg gatagatctc 360
tgtagcatat tggccccctt gatcaggctc aaatagaaaa gaactatttc ttctgcaaa 420
aaaaaaaa 428

<210> 4077
<211> 440
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 4077
ggcgatactt gactagcgac aagcacggca tcttgtccgc caatgcacgc gctatttcgc 60
agcacgagat atatacgatt agtgagagtg gggcgggggg aggagggttc tttgtctttg 120
gacacgggac gggagcgtct tctgcttcgc aggggggtga tggcgtggat gataaggaga 180
agaaggaaaa gaagcagacg tatcttggtg ccgcggactgt tgcgtcgaa acgactgctt 240
cggggacgaa ggttgaaatt cgtgggggat agactactct tgatgatggg gaggaggatg 300
ggggagggac gaatatcgt gtgcgcacgc aggcgcgctt caaacgcgc atccaagcga 360
gtaaggagat caaggcgcgg gagaagatcg gnagaaagga nttgnagggt attgtgggga 420
gacngntgga tcatgatgaa 440

<210> 4078
<211> 401
<212> DNA
<213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(401)
 <223> n = A,T,C or G

 <400> 4078
 gctggacgtg accaactggc tcgatgagca ccctgggtgga gctaacgctc tcttcaactt 60
 catgggccgc gatgccacag aagagttcgc aatgctccac gacgacgagg tcatccccaa 120
 gtacgctggt cacattgtga tcggccgtgt caagggccag acccctagcc tagagctgta 180
 aaaaccccggt gaaaatttag aatcggagac atatacgttg gagaagagaa agtaaccagg 240
 aagagatcac ataccatttt tctttatcta tttacctgtt tgttttgtcg agcatgttca 300
 tgtccacgtc cttgggtgatg atgagtangc tcttttatcc ggagtcacta tgtgtctagt 360
 atgtaagata caatcctaag tcaattgttc ttaagacaaa a 401

<210> 4079
 <211> 350
 <212> DNA
 <213> *Aspergillus niger*

<400> 4079
 cctccgcgta ccgggactta tgaccggtcg tcagcagttc cagggacgct caagtgcctt 60
 cagcgctgcg aggatcaacg cccttgcttg gcgcggcaac ggttcctcag gagaagggat 120
 cgagatgtat tcagcccacg gcgacgggac cattcgcaca tgggcctcac gggaaccgga 180
 ggggtgagccg gatgatgaag ccgccgaagc cgaacgagca gaccgcaagc gcaagcgcgga 240
 cattctcgac gaactctacc gaggatttat aggctaagca tacgatcaag aaaatctacg 300
 aaggcaccaa atatagcaca atagtaaaaa tcgtttcatt catctataat 350

<210> 4080
 <211> 478
 <212> DNA
 <213> *Aspergillus niger*

<400> 4080
 gtccctccaca cttcactact acacttcagc aatcatgggt tggttcgaca gagacagcga 60
 cgaggggtcgg gccccacaagg agcttgagaa ctttgaggtc ggcaccgagg tcaccgagga 120
 gcacaaggcc aagttcagcc accaggtcat cggtgggtgcc gctgcctacg aggccatgaa 180
 ggccctacgag gagcaccagg ccaagaacgg caagcccagc aaccacgccc aggccaaagga 240
 gatccctcgcc ggtcttgctg gtgcctttat cgaccgagag attgagtcca aggggtcttga 300
 cttcgtcgac cgtgagcagg ccaagtacca tgctcgcaag cagctcgagg aggcctccgc 360
 caggacttct aagcgattgg aatatgaacg aggcacacct atctgtttat gatgtacggt 420
 agtgtgtatg acatgaaata gaaatatacc acaatgaata acacacaaaa aaaaaaaa 478

<210> 4081
 <211> 389
 <212> DNA
 <213> *Aspergillus niger*

<400> 4081
 aggggtgtcaa cgttctgcgc tattcggccc tggttgcggg tctcgtctat ggtttctacc 60
 accagttctt gatcaccgac actgctaagc acgcccaggc cgaacgtgaa tatgcccgcc 120
 aggagcgcct gatcgagcag gccaaaggcag agtggaagaa gaagacggcg cccaaggaca 180
 cgtaaaacag cggagtcatt acggatcccc aggacagccg gtttgacctt gaggtcttcc 240
 tgaagatgaa ggtcggcgag aactagaatg gaatcgaagt atacggcacg cagatgaagt 300
 tgcagttatc tctctaagag cccgtacctc ttgaaagatc qtqtcattqc qagcqaaaag 360
 aatgatcttc tttttccact aaaaaaaaaa 389

<210> 4082
 <211> 472
 <212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(472)

<223> n = A,T,C or G

<400> 4082

aagtcaaaaa	ttgggctccc	taaccaagaa	aagaagttgg	tccaaagggg	gcaaaggggtc	60
aaagggacaa	agggcccaag	cacgccgtcg	tctcgaaga	agcaggtcgc	tgagcgtctc	120
aacaaggatg	tccaagtcct	accgtctgat	cactgtcgcc	actctgggtc	gaccgtctca	180
agatcaacgg	gcagcttggc	ccgccagtgc	cttgctgacc	ttgaggagaa	gggacaagat	240
caagaagggt	gttgggtcac	tccaagatga	acgtctacac	ccgcgccgtc	accgccgagt	300
aaacgtatga	cgtatgaat	atctttcctc	gcgcgtcgca	ttttctttg	tgcaacgata	360
tgatatcact	ccgaatgaaa	attcggaaa	tanggtggg	cgatttgatg	gacatgtcat	420
gttaagaata	tgaatgaactg	ggaattcaac	caaaatctgt	tccaaaaaaa	aa	472

<210> 4083

<211> 593

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(593)

<223> n = A,T,C or G

<400> 4083

catccatcca	ccatgcacgc	cccctcgatt	agcgggatgc	gtaccgccat	gatgagcgga	60
cgctcactct	ccaagacgct	gggccccttc	gcccacccca	gcagctgcac	caaccgcttg	120
tatcaagcgc	tctctcagac	ccggaccgca	agcactcct	ccatgcgagt	ccgcagcaca	180
cagacctga	agcccaccac	agctctgcgt	ccctcgacga	cgacaacgca	gctcccagac	240
tctctggttc	tcgcgcgcgc	caactcctct	gccgccgcgc	ctgccaaagag	cgaaaccgctc	300
cgtctcgact	gggactcggt	cttcaaaactc	gcgcgtagcc	gccgcgggta	ctcgtctgcc	360
tcgtcgatcg	tgagctccct	gttcacacgg	tcattgggtgt	gaagttctct	cgaccaagat	420
ctggagtctt	cggggcgcag	tcattgggtct	tgatcggtgt	gtgtgggtat	gnaacggcgg	480
ctnctgctgg	cgggtggntg	tcgtccgttt	gtagggaaatg	tggttggggt	tggttanccg	540
ganataacct	gtgttagggg	aaaaaaagga	ttctcgnccn	attaaagttc	gtg	593

<210> 4084

<211> 608

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(608)

<223> n = A,T,C or G

<400> 4084

ctcagtttgg	cgttcgaatc	actctcgact	gtgagggggg	catgtacaat	ggtgaagtg	60
aaccaagaag	ttgggcccga	aaacgacgca	atatgcgacc	ggcagatcgc	cctagcttgt	120
gtgctgctga	ttgcgctgct	agcctggctc	accacctttt	ctatcagtgt	cctcagactt	180
gtcgaacgag	ttgcttcatg	aagttgcagc	tctacagtat	acatatccct	cgtttcttca	240
ttctctctatt	atagtcctct	tggggcattt	ttattttccc	cctttcacca	cattaataac	300
caagtttgctt	ttccggtagt	tcttttccct	ctnctttctt	gggtaccctt	ttcaacatct	360
tttcaatttc	ttcgcattcc	cccnggtact	tttacttggc	gctatatcct	tgttctgtga	420
agcttggtta	attatggagt	ttggggcttt	tgnggtgggt	nggttgaggt	ctnaaacatt	480
gggtcgggaa	ngggaaaatc	tgattctttt	ttttggatac	cgaccctggg	cttttccgag	540
aagaacattt	gtcttttgag	acttttggna	aanatccccg	gpcqttttnt	cgttcgaaaa	600

aaaaaaaa

608

<210> 4085

<211> 255

<212> DNA

<213> *Aspergillus niger*

<400> 4085

ctccgtatcg	aggaggagct	cggtgacaac	gccgtctacg	ccggcgagaa	gttccgcacc	60
gccgttaact	tgtaaatgca	gccatttccc	gtataatgtc	accagtgcaa	ggccctagcg	120
gtcctcacta	gcctttccga	gcagctgcag	aacagcatcg	tttgatgaa	actaggcggc	180
gaaaacatca	gagatgatta	agatttatga	tgacgaattc	aaaggccaaa	taattgaatt	240
tagtggcaca	taatg					255

<210> 4086

<211> 163

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(183)

<223> n = A,T,C or G

<400> 4086

caagcccgctc	nncacacaaga	aggccaagac	accaagaaga	tggtccttcg	tcttgagtgc	60
aactggcttg	caagaccaag	aaagcaagct	ttctctgana	ggcgctgcaa	agcacntcga	120
agcttgggtg	gtgacaagga	aggaccaang	ggtgctggct	ccttgtnctt	ccaanaattt	180
gcc						183

<210> 4087

<211> 358

<212> DNA

<213> *Aspergillus niger*

<400> 4087

caaggctggc	cactacgaac	gcaagggtgca	ggctctcgaa	gcgtctcgtg	accagtggga	60
gagcaagtac	gaggagatgg	cgaagaaaata	cgccgagttg	cagaaggatc	tgcacgacct	120
cgaggctctc	atcagcaatg	tttaaaaagg	agatggcgcc	gaggcccggga	agatgctgga	180
ttcagccttt	tcccaaatat	acttttacct	tgctttcttt	cctgcacatc	acagtctgat	240
ctatatgtta	tgtctgcagg	gagacggatt	ttagctgtat	ctttttcgtc	ttgtcatcta	300
gttggttca	tcgcacatc	caaccgggtc	ctccgcttgt	ccccgtgaaa	aaaaaaaa	358

<210> 4088

<211> 585

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(585)

<223> n = A,T,C or G

<400> 4088

ggaqtatcaa	gggacaagat	ggratccaag	aaggacatgc	ggagggttga	cctcgcacac	60
ccctacatcg	accctcccaa	gaacaaaagat	gagcccgaca	tgtctagcgc	catgtccagc	120
accatgccta	tggtgcgat	gttcaccagg	aatagaatga	tcggatgggt	ctccttcggt	180
ttctcgcttc	agtctgggt	tggtgagact	ccagaccaga	agagaacagc	ttcgactccg	240
gcctacatgt	ccgtcttgat	gtccttgatg	gcttttggtg	ttacctactt	ccccatcttc	300
ctgcctcccc	agaatgcgcg	cgctgccccg	ggcgctactg	catccactac	tccttccctt	360

taagecgacaa	ccgattctgt	gatacattgc	cgacgagttt	cgatacaata	tantaccacc	420
aagtcttcag	ttcgcataaa	aaagagatag	ggttggaant	ggtttgacgt	ggcaaagtga	480
gagagacacg	atcagttagt	caaagccttt	ggcatcgtct	caatttttgt	caggcaaacg	540
tgagctgttg	acattatata	attgcatata	cattttacta	aaaag		585

<210> 4089

<211> 486

<212> DNA

<213> *Aspergillus niger*

<400> 4089

ctgccccgag	actgccactg	ccactgccga	cgtaagccc	acctccgtcc	ctgtgggtcg	60
tggcaacaag	cccaccagct	tcgtcgttgc	tcctctctgc	tcgggtctcg	ccagcctcat	120
ccgcagctct	gccactccct	ccggcactcc	tgctgccagc	agctcctccg	tctctcccgt	180
tttcacgggt	gctgctgacc	gcaacgccat	cagcctcgcc	gccgtcgccg	tcgggtgtcg	240
tgcggtcctt	gctttctaaa	tggggcagcc	atcgggcatt	cttaggaatt	tgtaaagtga	300
tggaggttgt	acctagctga	gacagttgta	tgtacaagaa	cgcgcaagcg	cgagagagtg	360
tgttgagatt	attcatgttt	gcagcgattc	gattcgattc	gtcgactctt	tacttatgac	420
aatatacccc	catagttaat	gagcaagggt	aataataaga	gcattgtatt	ataccaaaaa	480
aaaaaa						486

<210> 4090

<211> 620

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 4090

tcaacctcgg	gttctacaag	taccatgcaa	cacctaaaga	gtgcgactac	ggcaattatc	60
tcttctgggg	agtccttttg	tcgagaacat	acaaccgcac	tagccttttg	tagtacggga	120
tttgccctcg	ctacggcacc	tattgctggc	cctgcaatat	taggtgctgc	cggtttttgg	180
gtacacgggc	ctgttgccgc	ttcattttgt	gcagtatggc	aatcttcaat	cggggcagtt	240
caagctggga	gtctgttttg	cacattacaa	agtgtctgca	tgggaggtgc	tgctgcggga	300
gcatttacaa	cagcttcgaa	tattggtatc	gcgatggtgg	gatccgtggc	gatcggaaca	360
cagtgggaatt	attacaaggc	agtaccacgg	atgggctatg	atgtcaaaaag	tactggtaaa	420
gttgataact	gtgatagcga	tcagccagat	gatggatttg	atcacagggc	aagtaaccca	480
cagtcttggt	ataaaaattaa	ttgtttggaa	aaggaatggg	caaaaattgct	tcagatagac	540
ctatcttgat	tgaatatgcc	aaacgtcgta	caccanggtt	acttgcaaga	ngaaaaccgt	600
tcaataactt	atcatagccn					620

<210> 4091

<211> 378

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(378)

<223> n = A,T,C or G

<400> 4091

gatgccacca	ccaatctcac	cggcctggaa	aaggaacacc	cactgtatcc	tgcgggtgtg	60
gaccgggtgc	gcaaggtgca	gcaggggacg	aagtaaaggc	actgctgctg	tcgcaaactg	120
tctttcttta	atgttcacga	ttacgattac	gaaaactgcg	aaagcattcc	gagtcgatca	180
cctgcattga	caactggcca	cgccgcagga	cggtgacagg	ccatttgggg	tacggcgaac	240
actgggtcgg	gaggatatgg	agcatgggta	tggaaacgga	ttagcatagt	cataaacatga	300

taattatgta catagttgca ggcaactagc acgaatacat gactggaaca tgaatctatt	360
ctgntcaaaa aaaaaaaaa	378

<210> 4092
 <211> 612
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 4092	
ctgcaggtgc tacttaatcg tcaccttgtc tgcaatcaca aagcttcac cccgaccccat	60
ataatgacct atctgtatatt atttgcgctc attcccgccc tcattactgc tggctcagta	120
tccaaggagc agtttagaccc cgttcgtcgg aatagttatc ccataactcc agccgtggac	180
gagtcgctcc tggccatcca gatcggaggg attgtcgggt catacgtgat ctctcctcca	240
tactttctttc gctgcttctc ttcgtggggc gccgtctcgg acgagctgtc ctctcctcca	300
actactccct tcacgtcgag atgatgaagc ccataagacc cctcccccagc atggacccca	360
gtcccgtcac cccgatctcc atcaacctgc ccagcccggg cctcgaagc ttcagccggg	420
cctggagcag cctcggcaag ggcctcgttc caccgctcag ggaccaccac cagcgtcgnc	480
acgatcgacg aatccgtcgt agcaactgac cggcagcgag cccaagagga tctggaaatg	540
ctttacgccg ccgtgatgga gcacgacgcc cagaaggaag ctgccgncgn agccgggggtg	600
ccaacaagga ct	612

<210> 4093
 <211> 439
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(439)
 <223> n = A,T,C or G

<400> 4093	
acgcgtcccc ccatacgggt ccgaatcacc cgtttcgtcg agaacatcta cctcttcctt	60
ggactgtact ttgtcagcct attctcgtcg gntccctaca ccgcggcaca gaactcccg	120
ttcaacgtta ctcggtcagg aaagaccccc gatacccggt ctcgctgggg cagtggaggg	180
ggaggtggag gccgatcatg gggtcacgga ggtgggtggt ggccgggagg acctggtagg	240
agaatcgggtc gggtagatga tatccgtggc ccggaatgta agagctgtgg ttaatgctgg	300
gaatgtgata ctgaagaggg acttggaaaa caatatatgg tggactgaat ggatgggagt	360
ttgatagggc gctttattga ttgtattagg gactgaacaa ccgaatggac ttgtgaatgg	420
ttttcttatg aaaaaaaaa	439

<210> 4094
 <211> 191
 <212> DNA
 <213> *Aspergillus niger*

<400> 4094	
gaagacatgg ccgaacgata ggcaaaagtc acttatttgg actcgtcgaa gacgtaggtg	60
aggtggcact ttccgcagta ctggcggtag ccgctagcaa tgcggtcgt gaatgtgtgg	120
tggatgaggt tgggacgtgt gcgctttcat cctcccatag tgaccaagca atgaqaaacg	180
aaaaaatttc g	191

<210> 4095
 <211> 577
 <212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(577)

<223> n = A,T,C or G

<400> 4095

gatgatcagt	gcaccgggtga	tggctcgggt	ggtagcagcg	gcgatggcga	tggcagtgac	60
agtggctaca	accaaggcga	tgctgggtacc	agctcatccg	gtacaaccaa	ggctagcgcc	120
gttgggtatcg	gatgtgggtgc	tgtggccggt	gctgcagcat	atgggtgctgg	tatgtttctgg	180
gttgcgcgctc	ggtaccggaa	gaagcgccag	ctgcaccagc	gctccccctc	gagcgctcgac	240
cagatgagcg	aaggccgcgg	ggccgggtcc	gtcctcggcg	cgggtggccg	tctctctcgc	300
aacagtcaaa	acagccgggg	cactggccgc	actcagatga	tcagtgcacc	ggtgatggcc	360
gaaaattcgc	tcggctggaa	ctaagcccat	cagtatttca	cctataaaca	atggatcgtg	420
tacattgttc	aaataataga	cagggccaaa	atataagcca	gagccatgac	gcacgctct	480
agagaagctt	gttgggggct	ttgagccctt	aattctgtgtg	gaatacatac	aaaagcgttg	540
ntgatgttgn	catttggtcc	caactgtaaa	aaaaaaa			577

<210> 4096

<211> 597

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(597)

<223> n = A,T,C or G

<400> 4096

gategatata	gategccttc	catcgccctt	cgttggtagt	tgggtgtgtt	cctttcgttt	60
ggtttttcatt	tcctaagggt	ggtgtcgcgc	ttctctacac	ttggtcggag	cggctccatc	120
gctgatactc	caacttcgcc	tcctactacc	taccacctct	cgtccccctc	tctcattccg	180
cagccgggtct	gttgctcccc	tcctcggcgc	atcctaccat	tgcaactgatt	caggtattcc	240
caaaagaggc	gcattctcca	acggaactct	acacaacacc	ttgnttcgac	caagaacacc	300
ggaatagcac	ccgtgacttc	gnatttgact	gaagggagga	accaaaggga	aagaaaggaa	360
atttgcaagg	agatggcatc	cttcatacaa	ccatcaacgc	tcggaccgag	gcttccctca	420
agccgngggc	gaagccaagg	caccactagc	tataactgag	acagntcgcg	gaagcgacct	480
tgggaagtgg	aagcttacgg	aaggncgnga	agtttcanaa	ggcgaggatc	ttaatgagng	540
gcttgcaagt	aaagggggcc	gattttataa	ccagatcaac	ttgnttctat	gggcgan	597

<210> 4097

<211> 391

<212> DNA

<213> Aspergillus niger

<400> 4097

gcctcattca	aaatgtacgc	tgtacccgcc	ctccgcgcc	gaatggccac	ctccctcggt	60
gcccgtcggtg	gctttttccac	caccgcgcgt	cagctcggta	gcccttacca	ctacgcgcgag	120
ggccctcgct	ccaacatttc	cttcacaccc	ctgaccaagt	acttctctctg	gagatctctg	180
gccttcattgg	ttaccgggttt	cggtgcctcc	ctcgccattg	ctgtctggca	gacctacaag	240
acccgctaaa	cgtctctctcg	tgtgttatct	ccacatgcaa	tggcattggt	gggcattggc	300
agtgggtcga	aaatgtatcc	tacgttggaa	gcgctcggaa	attgtgtata	aagctagaga	360
attaattatg	ctctgattca	aaaaaaaaa	a			391

<210> 4098

<211> 432

<212> DNA

<213> Aspergillus niger

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<400> 4098
tataggactc tcaacttcat cactactatt acagacgcag tagttctata tcgtttggct      60
ttgcgcacac aaggcagaca gtcattggctc aaacacctca gcaaaggaag gccaacgaaa      120
ggttttgcga gacaggaatct gcaaagcgctg gtaaaggcaa gacagttgcc aagtcaaagc      180
agactccaag gtcgccagtg tccactgtgt gggtggctat tctcgcgttc gttgtctgtg      240
gaggaatctt ccttgagatt ctggggatca taccgaagct ttgggtcaacg atgggtcgcaa      300
gcatcaaccg ctaatgtctt gaggttatgg agacttgtaa gactgttttc agttgttttc      360
aaaacagcgg cgggtgatacc attgatgtac ccaactgata tccaagtctc ttgtttgggt      420
ccgaaaaaaaa aa                                     432

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<210> 4099
<211> 486
<212> DNA
<213> Aspergillus niger

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<400> 4099
caagttctca agcgaaaagca aaaccaatct aaaaactacat tagtacatct ttcaacgggt      60
ccataccaac ttttgccaaa atgtctccct gctcctgcaa ctgctgctct ggcaactgct      120
ccagctgctc ctgctcctct tgcagccatt aaatgctgtc gatgctcact tcccggccat      180
gaccttaca cgcgccctca gccatctctg ccgataccac caatttcagg ctgctgctct      240
ggcttgaagg caacattcta aggatattgg gatggtgaat ttggaaattt gggtgcgcaa      300
gtgggagtg tttggatgcc ttgatgatat ggattcatga ttttagttgt ctttctatc      360
atgtcaccta cacttaagcc tcagggtgtac caaatctaata ggaaaagact taattggagg      420
awamaattga tccgcagtaa atagggttaaa catatataga gttattataa ccgcaaaaaa      480
aaaaaa                                           486

```

```

<210> 4100
<211> 610
<212> DNA
<213> Aspergillus niger

```

```

<220>
<221> misc_feature
<222> (1)...(610)
<223> n = A,T,C or G

```

```

<400> 4100
agaaagagac gctacggcct gcagctcagt ctctgaaccg gtccatgtcg gagcaaccac      60
cgactttggc taaagcagag gacgatgcag aagatgttta cgacgcattg ggtgcaatgg      120
acgatgatga agacgagcag caagcggacg aggatccatt cagtgcgaca gcaactagca      180
gtccgaccgt ttctgtcctt gtcctgtctc ctgtccttaa aacagccccg gtcccgtaag      240
atgatggcgg cgagccagac tttgcggggt ggctggccgc ccagtccaag acaaagaagc      300
cattgccaaa ggggttgaat aaatccagtc ccacctctgt atctcggcca tcgagccgca      360
gtagcacggt taagcccagg accgttgtcg caccagcgaa gaagatcgat acaacaccta      420
aggacactga ggaggacgac ggttgggggt atgcttggga ttagcagtat aaattcttaa      480
taccgattc tttatgttca tcagggtaca tattcccttg cgctatattg tgattatatc      540
tctcatcttg cgacatatnc aaggcatgaa ggcaggggaa ttttgggcgc catgcagtat      600
atagtctggt                                     610

```

```

<210> 4101
<211> 1157
<212> DNA
<213> Aspergillus niger

```

```

<400> 4101
gaagaaaccag tctgtcagtg gaactgagct tctcttttgcg cgtcgcacca taaactacta      60
gctgccttac tatctcactt tcttcccatc tctatacact ttcagtcacg tcaatcgcag      120
ccatgttctc cagtactgtg gcccgctcac tacagctggt cactcggttc atgcagtggt      180
ccagtgcagt catcgtgatg ggtatcacct cctacttcat ccacaaggga cctcgcggcc      240
aacacacccat ctactgggaa gtcatttctga ccatgtctgt tgtcttcttc ctgcccgcct      300

```

ttatctcgcc	gttcatgccc	aatgccctga	gcaagtttgt	cttgatcatc	gatgtcatct	360
tctcgtaact	ctggctcacc	gcttttcatt	ttgccgcgca	agattacaac	tggcacaact	420
gcgggcgcga	ctctccccc	ggcctatcct	gctccaagaa	gaaggcaatg	aagccttcat	480
cttcttgacc	tccatcttca	ycctcttcgc	atcttctctg	aagtcgggtg	tctctggggc	540
tacgtcgca	gagcaaccca	agtccgggag	aaagaacac	ggggggcgcc	acggcggtcc	600
tgctgacgcg	cctgtggcca	cagcctagac	ttgaaactcg	actgccagat	aatccgtctc	660
gactaatggc	ggcgacgcac	gccaacgcac	tctcttctgc	gttcatgtac	cggctctgat	720
gtacatcacg	cacaagcgat	agctgtcgtc	cgtctccagc	gagatgatga	ttcgataccc	780
ttttccgtct	ctctctacga	ccacgatacc	acagttgact	tggctttgat	tgaacatcta	840
ctaatactga	tgatgttaat	acgtttgata	tccctacata	ctaattgtcca	ttcgttaatg	900
tccgtacgac	ttgaacacgc	ttgaacgacc	tgaagaagga	gaagaggaat	aggtgggtgg	960
tgtgcataga	tggatcgggg	tggtgaccgg	gatcgttget	gttactaata	ccatctttac	1020
taattaccac	tataatcttg	tcttgtcatt	ctttacacaa	ctgatttgat	tctgttctat	1080
tgatcttacc	cgtgctgtg	ctgcgtctgg	gttatccaat	gtgtaataat	agtacaataa	1140
taatatatgg	tctgtct					1157

<210> 4102

<211> 363

<212> DNA

<213> *Aspergillus niger*

<400> 4102

tattcttcca	attactggat	tcagtcccg	acgtggcaca	tatggcaata	tgggatctaa	50
gccaatcaat	gaccttccg	cacgcctcag	gcattctggca	cagggatcgt	ggagagcttt	120
cgacgtgaaa	gttgagtatg	gcaaatcttg	cggactgtc	ctgggaatgt	gtcgcgattg	180
gtcaaaagtg	cctactgttg	ttgttcaatg	atttgagtg	tctttttgaa	atttttttct	240
accatcaatt	ctcgttgaca	cattcatggc	gttcttgggg	ttggggggat	caggataact	300
agcgagtata	gtatcataaa	cggcatataa	gatacccaat	cagacattca	ccaaaaaaaa	360
aaa						363

<210> 4103

<211> 529

<212> DNA

<213> *Aspergillus niger*

<400> 4103

cagacttcaa	gtgcagctgc	cgatcatcct	tgctggagca	attgtcgttg	cgggacgtgc	50
ttcttttagc	ccagtcataa	tggtttttct	tcagactctc	cgccgcgcgc	cgcgccagag	120
cgcgggtgct	taccgctccc	ctttcgctcc	caagtaccac	accccccttc	acttccacgg	180
setcaccacc	ggcctggcta	ctaagtacgc	taccattgct	ggcaccttcg	gtgttgccgc	240
cggtaacctc	gcccccttct	tcttcggcga	gatccccctg	gtccgcgcgc	acatctctca	300
gaaggttctt	ttcttcgatg	agtacttcca	cgcacagatc	gctcccagag	acaacctctt	360
ctaaatctgt	gcggtatggg	atatgctttt	cggaccatct	ataagaacct	accagcatq	420
gatatgctac	ctagcgggatg	gatggtgaag	aaaagagggt	gctgtacgtg	tagaatagcg	480
atgagtttct	gatagcacat	agacactggc	tgcttcattt	caaaaaaaaa		529

<210> 4104

<211> 381

<212> DNA

<213> *Aspergillus niger*

<400> 4104

cgggaaatac	tctcatccac	caccatgtcg	gggttttcac	cacaaggccg	aagatgctct	50
acatcttcc	cacaaggaca	agggcgagca	caagcacgac	gatagacatg	agcatccccc	120
tactatcggt	catgatggcc	acgagcacac	ccaccgctcc	cccccccttc	agaadaagca	180
tacgcaccac	caaccccaacg	aggaccagat	cgtctgagac	gatttcaatg	ctgacagggg	240
atacgaccgt	gcgttgaagt	ctccgcacca	tgcccttgga	cttggttttg	agggctagga	300
gggtgggatca	tcagtattgt	gatgtttagt	tttgatgttc	taatgatcat	aatgccatct	360
tattgagtct	taaaaaaaaa	a				381

<210> 4105
 <211> 611
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 4105
ctcctccaac gttaaggaac tattcacagc aatcggaag aaactccctc ttgatcaggc      60
gggtcctcga aacctgcgca caactccccg tcttggtgtt gacctgcggc cagaagcacc    120
cggtaaccaa ggtgccggtt cctgcaactg ctaggctttc caagtggcgt gtactaactg    180
ttgtgtgtcg attcttcgat ctaatcccc tttcttcctt tcctcctttc gcatgggtctg    240
ttgttagatg caggagacgt gtgtcttcta gcttgaatgt gaaccggcac gctgggcaaa    300
cagtgtgcaa cccgtcagcg acttcgaaca agactgtttt atggctttct aatgggtgcg    360
tgattactgc aactttggcc gatcggcgct gtataggtgt ctcttgcttc ccaggggatt    420
cggttatccc tacggatttg aacttgatga tcccgttcaa tcttaatcaa gtctttctca    480
ctggacttga tctgacaaga cgaaactttt caaataccgt cattggatgt ggggagagag    540
ctttatactg tactggcaag gttggatttg actgtctaga cattatgaga cagggatgaa    600
cctatgattt c                                     611
```

<210> 4106
 <211> 614
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 4106
gcacatcaac acaacacaac cttatcacct acttacacct accatctaac ctccatcccc      60
ctcaactcaa cccaaccaac atccaaaatg gtcttcgctt tcgccaaaac cctcgacccg    120
ataacctctt tccactcccc gcagctagca tctagcaaat ccgccctcag catcctgcaa    180
cgcgcattca caacggcagc cagcacgaca tctactccgc gaggcgaatt ccaactcgaa    240
gtgagcacgg ccccgccgac gagcgaccag ttgcggaata tacttgatta tgtgtcgggt    300
agtgggtcgg gaggtgggtc gggggtcggg aaggtgtata aggttgaaga ggtggtgagg    360
ggggcgaggg atgcggagga tgcgattaaa cggttcaaag cggatccgga gggatctttt    420
gtgaaggcgg attacggycg attggacgaa aggacargct gttgttgggg ataagtgc    480
ggagattttg aasatkgtgc aggagttgaa ctgagcaatt tactawtctg ttcaartgta    540
tactgcgaat tgatgtatgc agggatgttt ctacgatagc tgtatcatac acaactcctt    600
ttcataaaaa aaaa                                     614
```

<210> 4107
 <211> 575
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(575)
 <223> n = A,T,C or G

```
<400> 4107
gattatcacc cggacggacc ctctctctct ccaactcttc cttcttcctt ccacctctta      60
cttgtccccc ctcaagcctt cgagactcct ctcccctcgt ctctcctaac tctccctctt    120
ttttcaagga tttctctaca ctctcttggt tcgagccctc tttgtttcgc cgtttctata    180
ccccgggtgta aggttttcta ggatcggatt gcccggtctc gtccctccga aaagttcttg    240
tttctcttat attttccctc gggttctccc cgtcgcccaa ctttcgcctt tggatttttt    300
tctctctctt agacacagat cacaatggtc aaggaaacta agttctacga catcctgggg    360
gttcccccgc ggcctctgag gccaaactcaa gactgcctac aagaaggggc cctgaatacc    420
accttgacaa gacacaaacac ccggaagcgc tgagaagttt anqqaatgnc tgcggttaacn    480
aaacttttgc atcccanaag cgtaacctta cyacaagttc gtgaggaggt cttgacatgg    540
cgnncttgcg gtngattggc ccccgaggac tttttg                                     575
```

<210> 4108
 <211> 387

<212> DNA
 <213> *Aspergillus niger*

<400> 4108
 cacaacaacc acaaccacaa tgtccacaac caccaaaaca gccctcctcc tcaccctcct 60
 cacctccatc ggcggcataa ccggctacct gcgcgcgcgc tccctcccct ccctgatcgc 120
 cggcctctcc gtctccttcc tctacctcct ctctgacctc cgtctgcgcg cgaaccagcc 180
 ctacgggtgca gagatcggtc tcttggtctc ccttgctctg ggcggtgcgt cgatccccag 240
 agccattaag acgggggaag gcgtgccccat gggctctgggg gttttggcgg ttgtcggggc 300
 ggtgggttttt gggaatgcgg ttgttaatca ttagatgata tatatggatg gtggtgatga 360
 tatatggagg aggttggggg aggtgga 387

<210> 4109
 <211> 859
 <212> DNA
 <213> *Aspergillus niger*

<400> 4109
 atcagccaca atagtgggaa ttcaggcgcc tgtctggggc tagaaacggt gaaccgtcaa 60
 atcacggttc atggtgcttc actccatacc ggggttggtg cattgcattc ccctatccca 120
 agaagcccc acgaaaatag cctacctact cttaccaggt tgcgacaat caatcaatga 180
 atgctcaagc cactggcaaa tgacctgagg ccaagtgtat gatatccatg ctcaggatct 240
 cttggtgact gcgaagagcc gactccactg aggcataacg aggtatataa acccccctt 300
 cateccctct tgcctccat caacaaaccc aaccacaacc acaaagcaat caatctcatt 360
 atacaaccac ttttctcca ttcctcata acctcttcca caactccatc acaatgagct 420
 tcttcctgac cgcctcagac atccgcgttg acgacggcca catcctggtc gccaacgctc 480
 ccaacgagga gggagagatg gtcgaatcta ccctcgatct taactcgtgc atcgaaaacg 540
 aagagggtcg ctctctgtgg ggcggaacg acttcgcggc cagcgccgag gacatcagct 600
 tcgccattga gggagaggac aacgtccccg ttcttagagc cagactccaa aactccgagg 660
 gcgaactctt tgatgctgat gttaacctgg gcgagcacgt caccaacaac aatggtaacc 720
 tggagtacca ggaggagtgc ctgttgtaag ggcgggtgtg attatcgagt gtatcatgac 780
 agacaagtaa ccatgtcttg ataagtttat gtggaactat atgaaatacc atttcgtttg 840
 aacaagtaaa aaaaaaaaaa 859

<210> 4110
 <211> 558
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(558)
 <223> n = A,T,C or G

<400> 4110
 atagatacac acataccctt tctactcacc ttctgccttg cttcatttaa gatgcctgca 60
 gccggcccca tggacgacca atgggtctct ttccacatcc gggaccacct ggagaagggc 120
 gagatcaccc tccgacacac cgtcatcgaa ggtgggtgaat tccacgacct caacaaccgc 180
 agacagtccc tcaccgaaga cgagatcgat gaaatcacca tccctctgta cggcatcggt 240
 gagatctctg ctctggtgag ccggggcaga gaggggcagg tggacctctt catgacgagg 300
 aaaagatctg cgaattgcac tgggataatc gccagggcaa tctttgtcaa cattcgtcga 360
 gatgottgac aagtatagca agtntcgtgt cgaacatggg ggatggagcc caaagggttg 420
 acctttgggc cagctntaca tcgacatttt ggagcagcag aagaagaaga atacaaataa 480
 cggcggttggg attttaaagg agttgtccgg cnagttccgg atgcancatt gttcaggaaa 540
 qccataqcat atttggac 558

<210> 4111
 <211> 628
 <212> DNA
 <213> *Aspergillus niger*


```

<400> 4111
cggtctttga cctaccgcc attggactct actgtctctc acctgcgact ttccagagtc      60
attcttttct ttttagcggtt tatctctctcc agtgggtcttc aagatgcccg ccacggcgtc      120
ccgtgccgtg cttcggaat cgcagttcct gaccgcagg tctgcggtca ggtacgcttc      180
ttcgacctcc gaagccgctt ccaaggctgg tgagactgct tcctctgctg cctcgaaggc      240
atctgagggt cttttctcgcg tctcttcgac ggctgggtccc gccatcgcca acgcgcgcca      300
gggtctcggt agcgcctca ggaaggctcg tggaaggacc ggaaaagtca tcgcttttgt      360
cgattccatg ataccccta cgtctacta ctccaagggt ggaatcgagc ttgctaagct      420
ggtcttccgt ggccagaaca tgactcctcc caacatggcc accttcaggc ttacttcage      480
ctctgaccaa cgccttccgt aacctgccc cttcaagaa ctccagcttc gctccctcga      540
acatcatcgc ccgcttctgt accggcaaca agaaggagat cgctcttgct ggtgtcaccg      600
ctgcggagat cgttgggttc ttcaccgc

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<210> 4112

<211> 482

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(482)

<223> n = A,T,C or G

```

<400> 4112
ccccaatgaa ccggtctaac aaactcccca aaaacccctg actctccaca ttgctgcgct      60
tcgcccagcc cgactcgaca ttatagttct tagtgtcttg aagcccagcg aaaaggccgc      120
gtcctgcgct gggatgatgc ttaggcggat tcttcaccca cagatcggtt ccaaagtcac      180
tctagagacc atgggtcttt ttgctggcac ggtgccatct ttgacgaagg acctggataa      240
gataggcact cgggtgggaa tggcacttgc catgatcagc ttcgggccct tgacgggacc      300
ttcgggtggc ggcgctttga ttgcgcagtc tgagcatgat agttatttac ccgccaact      360
ctgggtgga gctgctttga tggttggggc gttggcttta gtgggggctc gaattgttat      420
cactgggtccg catcttctaa ttaaggttta aattgctgtg atggaatcca aaanaaaaaa      480
aa

```

<210> 4113

<211> 580

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(580)

<223> n = A,T,C or G

```

<400> 4113
ggagaggccg aggagtatgg tggatgatgc catatgggag atgccgatcg gatcgtgcgc      60
gaacgaagct tgagcaatga ctacatcgg ggcggaagc acgttgttgt cggggctggc      120
gagctgaacg gcgaaaccga gtctgggtga gatacgttga tgacggcggg cgaagccgag      180
gaaaagcact gccagttcga gcagcatcgg aagaagcact atgagatgag gaacatcaag      240
gatctccttg cccacccctga ggtctctgag gacgaaatgg acgaagacga agatgagggg      300
gacagctcaa gtgcgcgggt gccgcgcccg atgcctaaga tcccggagcg atttctaaat      360
ggaggaaaagt gagggagcga aaggaatgga cggacgggac taagttatca ctctactcga      420
gaaggattag gacgagaaga ngtgatagga aaatangatg gagggangga ctagttgatt      480
cctgctgcac aaacggactc tgtatatctc ccaacgttgt ttagtcatga tgggaacngac      540
trghatgaat onatgggaaa ntactttgca aaaaaaaaaa

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<210> 4114

<211> 583

<212> DNA

<213> Aspergillus niger

<400> 4114

ggagaacggt	gttaagcctg	gaaagcttgt	cgccccggag	aacttcactc	aaacggcgcc	60
cgtctacgat	cccgccgtac	ctctgacgac	tgaagagatg	ccaatggagt	acaccaatcc	120
tcagaccacc	gaattttgcg	aattgattgg	tattgaaaat	aaattcgaca	tgagtgaacg	180
cgagcgccag	gctagaatgg	ctcggggggc	ccgtccta	agcaacagag	gcggcatgaa	240
ccgtcctcct	cgctcgtggc	gctttggacg	gggtcgcgga	cgcggtgggc	gtggacgcgg	300
caaccgttac	tgatttttac	tctcttcaca	ttgcacgttg	cttatcaaag	gtaccgcgga	360
tgaggaagtg	ctgggcactt	gcctctagtc	atctttcttt	tatcaagtcg	gccatgctac	420
gttgctatct	atcgaaattg	tcatcatttc	atttctcgct	gccagttacg	cccttaatct	480
cttccatctg	acatccta	ggaaatggag	tccagctcta	cccattctat	taatgtctct	540
cacaaagaaa	tggcaccatg	gaaagtcggc	ctctagtttt	gtc		583

<210> 4115

<211> 484

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(484)

<223> n = A,T,C or G

<400> 4115

attcgttttc	tcatactcat	cttcatactc	ttcctcactc	ctctcctacc	tccaagggac	60
aagacaaaac	acaagagggt	aaacctacat	accaacctcc	ttcaattcca	accaccgaaa	120
acacaatggc	cgactcttcc	tccccaggca	acccacact	cggcaaccgc	cgcaacaacc	180
gcgccgaaga	agaagccgcc	agtgtgtccg	ctgtgtctct	ccccaacgaa	ggcatgaagg	240
ccccggcggt	gacggccaac	caggatgaga	aatccaacct	caagatcagc	atccatttga	300
acttgctgtc	caaggtgaag	ttggatttgg	atgcgcagtt	gtatggtgat	atcgttattg	360
ggttggttga	accttattac	tttgacgtgt	atgttggtat	gaggggtggg	atgtatgtat	420
ggtacttgat	ggcatgcatg	aagaattgat	gaatggaatg	aatggatat	atgaanaaaa	480
aaaa						484

<210> 4116

<211> 628

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 4116

ctaacttact	gtctaccata	tactaccata	cgccccctca	tcacccca	aggcagacag	60
aggcaacctt	gggccttacg	acttacctac	cttcttaatt	tcctctaggg	gctttaaaac	120
cacacagcac	actggtgtgt	aatcctacct	atctacatac	gcactctctc	ctctctctct	180
ctattagttc	ctggccattc	tcccacgcaa	gagagcacc	aagcagggca	ataaaccttc	240
actctcgttc	caaccgttct	ttctccatcc	cgcccatcca	agccagcccg	aaatcacaaa	300
aggtcaatca	cccaaccccg	ttacttggtt	tgattttgca	cttgcccagt	attccttctc	360
cgataatggg	acgtggctcc	ttacccttcc	aaagagacat	aaggagaaca	cggaaaccag	420
ccttatctga	ctgggttgaga	cgggctacta	agctgactgg	attggttggt	tggggagtga	480
gattgaagcgc	gcgccttgat	ggttgatgct	cggttgcttt	ggagggttta	tggcgggaga	540
aaaatgagac	gcctgagata	tatatatggg	attaatatct	atatgtggag	taaggcggtt	600
atgggttggt	tgggtganaa	atgattan				628

<210> 4117

<211> 373

<212> DNA
 <213> Aspergillus niger

<400> 4117
 tgcggatgcg cgggagaagt cgggcacggg caagttcccc gtgtttgtgg gcgaatgggc 60
 aatccaggcg acgtataata atacgttggc gttgaggaag aggaatgtgt tggcgggggt 120
 gaagacttgg agcagttttt cgcaggggag ttcgtattgg acggcgaagt ttacggggaa 180
 tacgagtgtc gctggacagg gggagcagaa ggattattgg tggtatgaga cgtttattga 240
 cgaggggtat ttcaattgag caactgcaac tctgcggttc agtttagttg cttgttttgt 300
 gtaggatttg cgatgtgtgt atatatgatg gatggaatga actcatgggt actattgatg 360
 actttttaaa aca 373

<210> 4118
 <211> 490
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(490)
 <223> n = A,T,C or G

<400> 4118
 ggataactcc tccttatcta cccgtctgac tccggcttaa gtcagctctt cccatcttcc 60
 aatcctccca ttgtccgaaa gagcacggaa aaaacaaaca aacaaccccc aacaacaate 120
 accgccaata tggtcgactg gttcaagtct tccaacaagg agtctgctac ccagcagccc 180
 acctggaate ccaacacccat gaccatgcag cagccttccg ccccggaagc tcccgtcacc 240
 gagcaggtcg tcaccggcca acccggccag caagagacga tgcagatgaa cctgcgtggg 300
 ggtggtgagg gtgaggatgt ttgctgtggc gtttgtgccg gtcttggtcg cttcgagtgc 360
 tgcaaagtgt tgtgctagat ggaatcatca cccgatagac attttatntt tccacgaacc 420
 ntgaagtcac gtonggtaat ataattngga tatctatcca agttttaagc cttggnatta 480
 accttgaag 490

<210> 4119
 <211> 651
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(651)
 <223> n = A,T,C or G

<400> 4119
 agcaaagcaa agcaaagctag cttctctctt cttctctcta catcatcgca ttccaaaacc 60
 tccacacaac tctcaagtct atatcccacg acttcctctt tacaaccaat tacaacccaa 120
 taatccacat tctcaaaaac caccttcaaa atgactatcc cttatccctt gatcggccct 180
 gagtctacg gccttggtc caagcaggcg cgcgcgaacc gcagcacttg cagcaccctt 240
 cgcagcgttg acagcatcgt cgtcgatgcc gctttcgcca aggaaatcca gtccaccaac 300
 gcttcacagg agcatttggg ttcttctggt agcagcacaac agtctgagaa gaagtgggaag 360
 gctcgattct cgaggaagtt cttccacttc ccttgagaaa ttaccacacc acacactaca 420
 ctacactaca ctacgaacaa aaacgacaaa cataatcgac aataataatg atcgctggac 480
 ggaatatagc aaagcaaagc aaagcaaagc aaagcaaagc atgggtgtta gatggattgc 540
 atagtcggga gcattggatt ttttttgcac catgtcatga ttgktatgga taatttagat 600
 aataactaat taatacccgc qggatatgca cgccttctaaa aaaaaaaaaa n 651

<210> 4120
 <211> 599
 <212> DNA
 <213> Aspergillus niger

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<400> 4120
aggagcgctg gtcgctgggg gagccggagc agctgctaca gcagctactt ctttcccgcc      60
agtgccacgg gagcgctcggg ctcttccgct accactgccg gctccaacga cggcagcacc      120
acgaagagtg gaagctcctc ttctgctgacc ggctccaact ctaactccaa gtctggctcc      180
tcgggaacta gcaccgcaac tggcgctcat gccagcagca ccgagaacgc cgctgctggt      240
gcgcagctca agctggggcgt ttcsgctgct ggtgtacttg gattcgctct ggctgcttgg      300
gctctgtaaa tgagctaaat aataagcctt gatcgatgac tacagtacga atggaggaag      360
gggagaaaagc tacctgtcta ctgcacactt aatccagcgc ttgtgttaat atgattgatt      420
gattgattga ttacgggaat ttagctaata tgggaacttg tcacaactac tattacctgt      480
ttatcttata ttactcatgg ggttaataac taacttgatt gctactatth gcatggcttt      540
cacttgatac tctggagatt agtataccga ccaactaaat tctattgatt gatcattcg      599

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<210> 4121

<211> 575

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(575)

<223> n = A,T,C or G

```

<400> 4121
cttatcaagc caaatcaact aaactgaacc tcaaatcatc gctacaacat taccaaccat      60
gaatatctcg gcttctccct ctggctcaca gcccttcac aagagacctg ctctaagtec      120
cgcggtcaag aagcctagta gatggatatc cccgctcatg ggcgctcatg ctctcggtct      180
cggagtcgcc aaccacctcg aaaaccaagc tcgccagccc cagttcgacc gcgaagaaga      240
ggagcgccct cgaaagaacc gagccctgat ggacgcctac ggcgacaaaag aaacagtcca      300
agatattgaa cgggcgctgg tcgtctatga ccttcagtga acatccttga tggaggggga      360
ccattattgc agcacactta gcgtgggata tgattacggc tttcatgaat aatgggtgcat      420
aaggagtttg ggattcattt taactctccg gaagagatga ggaatgggtt cgggattatg      480
gaattaactg gggattttgc tggtttaggt ttcacggaat agcatcttga attgagaagc      540
aatctggnnt attgcactta tgctactaaa aaaaaa      575

```

<210> 4122

<211> 636

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(636)

<223> n = A,T,C or G

```

<400> 4122
agcaaaagcaa agcaagctag cttctctctt cttctctcta catcategca ttccaaaacc      60
tccacacaac totcaagtct atatcccacg acttccctct tacaaccaat tacaacccaa      120
taatccacat toctcaaaac cactttcaaa atgactatcc cttatccctt gatcggccct      180
gagtcctacg gctttggctc caagcaggcg cgcgcgaacc gcagcacttg cagcaccctt      240
cgcagcgctg acagcatcgt cgtcgatgcc gctttcgcca aggaaatcca gtccaccaac      300
gctcccagg agcattttgga ttcttgtgct agcagcaaca agtctgagaa gaagtggag      360
gctcgattct cgagggaagt cttccacttc ccttgagaaa ttaccacacc acacactaca      420
ctacactaca ctacgaacaa aaacgacaaa cataatcgac aataataatg atcgctggga      480
cgggaattatg caaagcaaaag caaagcaaaag caaagcaaaa gcattgggtg ttaagatggg      540
attgcatagt cggggaagca ttggattttt tttgcatcat gtcattgantg ttatggntaa      600
atttagataa tacttaanta ataccgcng ggatag      636

```

<210> 4123

<211> 557

<212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(557)
 <223> n = A,T,C or G

<400> 4123
 ccccaactcc cacctcactt acttaccccc tttcctttct ctctccaac cttcataaga 60
 gaaaattaag ttactaccaa aatgtccttc cacaacagct gccaaaacat ccacctcatt 120
 cactgagccc gtgtactttt cctgcacgcc gaagtgcgtc gcgcgaatgg agagtacgtg 180
 gctcgcaaga tccgtcttga tagacatatc ggggaacacgg atggctgggt catctggggc 240
 ggctccaact tcaccgaaac cgccaaggac attcagctcg agaacaccgg ccgcgggtccc 300
 aagttgacgg cgtacttgag gaagcgggat ggcggatata gagaattgca gggcctgtat 360
 ctggcggata agattgctaa tgagaatgga gagggtggtt ttaagggacc tttagatatat 420
 ttaacctaag tatctatcgg gtgcattgga gaagtactag aagagatacc taataggaaa 480
 ggatggatgg atgggggtgn ttgkatgatt ggagatattg catagcgaat gataatcatt 540
 ttttattaaa aaaaaaa 557

<210> 4124
 <211> 472
 <212> DNA
 <213> Aspergillus niger

<400> 4124
 ttgacgccct gtaaccccag gaggcgcgga tgcggacttg cttgtgctgg atgatgaaga 60
 ggaccccttc tggggcccca ccttgactgt gagacaagtc tgggaagcgc gagtcaagat 120
 ctacgatacc gacaaataag atgcggcggc tttttggcct gtcacgcac gctgtctgga 180
 caagtcatgc gctgcagaaa ctgtctgggt ttcaatcatt catgcgttac gctcgaaatt 240
 tttttctctc tctctctctc tctctatagc aggcttgagg gttttgggtt ggtttctgct 300
 tttcgtttct ttttggtctg cgtcgggtta gagacttgaa tgggggtggg ctctcttggg 360
 ttctgttctg tacctctttc tgtatttggt tcatttaaac caccgggata aagtagacct 420
 cccacgtgaa tagtaaatag aaagtcaatg atagatacac gtcaaaaaaa aa 472

<210> 4125
 <211> 422
 <212> DNA
 <213> Aspergillus niger

<400> 4125
 ctaatatcct tataggaagt aacctgctat acatgccgct tcacgcagga tctacgcgac 60
 cgtcctgata tcacaccaga tacaagaccc cctccagggt ttgtaccggg tcaactaccg 120
 caagcgtact atggcggcgg tgcgcctttc tatccccgcg agcaggcatc gggcccgctt 180
 ccacaggcgt ccgggggtgt ggtagcgcgg cagcagcagg cagagcagca gaacctatgt 240
 tataagtgat gtatcatttc gatgcttttt cgtgatgat gtattatgat gggttgatgg 300
 tctgtctctg tatttatcga ataccttttg cttgtttgct gttcttgacg tctgggtggt 360
 agcttactcg ctatcgtgca tgtattgtat cgaatcggag ttaattgctc taaaaaaaaa 420
 aa 422

<210> 4126
 <211> 499
 <212> DNA
 <213> Aspergillus niger

<400> 4126
 tcttagactc agaaggcccg gggtaggaag aggatgatga gaccattgct cgctttgggg 60
 ttcgttctct ctggcgagcc cggaagggat ggggcttggg tggccattca ctggccgaca 120
 ggtcttgaac tttgaagtca tgccttggat ctctcgtcgc cctctttgtc cctggttgcc 180
 ttttgggtgg ctcgttcgat gccgccagtg gtctcgggtc ggtctcttac gtctccgat 240

tgtcgcgggg	cttcctttca	tatcttgatg	atttcgattt	ttgcctattg	tcgcaatttc	300
cccccagaa	tacctttccc	ttgtcatcca	cccgcacttc	caccctagtc	agtcaagtcc	360
caccaggacg	ttgactcttg	cttcccgaac	tctcttggtt	ttacccacct	tgtgccacgt	420
acggcgtttg	tttgtcgctt	tagctgagtt	tagatctaaa	gcccggaat	ggctaaagaa	480
atttgaaatt	tatgaacaa					499

<210> 4127

<211> 1030

<212> DNA

<213> *Aspergillus niger*

<400> 4127

gggcttttgt	gggtttttgt	tttcgttcta	ttttcatcct	tgagtagttc	gtttggctgg	60
tccaggcgac	tatctgtttt	caactttctg	tttggcacgt	catcgagtaa	taatagtatc	120
atttacacgc	ctgcctttct	ggaaacactc	tgttgatcaa	agtgttcttc	cttgataatc	180
ttg'gtgtgt	gctccctggg	cctgtttctt	acttatttct	tccacccaaa	gaacaagaca	240
tcttttttga	ttcaatcatt	tttccaaacc	atnagtgtca	gtcaatatga	tcgctcgcaa	300
cgcaaggccg	aagctttcac	tgtgcacatc	tgtgcgcaa	agtacttctc	gtcagccggt	360
gtctctcaag	tctcctagcg	cgatcccgcg	cactccgatt	tcccttgcca	gcccagagtgc	420
aaagcgggtc	tctctttttc	aagtcccaag	ctatgcctac	agcaactcgt	gtcgttccaa	480
gagtattctc	aagaaacatt	cgggcgcttc	gagccatgca	gaaaagcgga	ttaagttcaa	540
aggcactccc	actgtccact	gtgtcacgcc	catcgagaat	cccaggaggt	actatggcac	600
ttacaccaag	ttgtcgcgcg	aggagcgacg	ttggatgggt	cgtgaatgaa	gacgaggctg	660
atgtcgctat	aaccaacact	acggcgaaaag	gcagatcagt	ggggatgctg	ggccaraaat	720
ccgaagagcc	ttctgacgcg	ccacgggttc	tgcgccctcc	ccgttccgac	tcggttctga	780
tacagccgat	ccggtatctg	gagcgcaacg	acagctcagg	gtargtctga	cggcgcgaaa	840
catcgaatgt	cctggagtg	agccgaaaaca	ctgggatgga	tgcactctgg	ggaatgagga	900
tagactcagc	gtgtatatga	tacctgttat	gttcatgatg	tgatgatacg	gtccggcggt	960
atgtacttag	tatarggcct	accttggggt	aaacccaacg	acgatcgtta	tggtcccaaa	1020
aaaaaaaaaa						1030

<210> 4128

<211> 358

<212> DNA

<213> *Aspergillus niger*

<400> 4128

ccctgggtga	cgagagtggg	gggcaggtct	ctccgataat	gcggctgtgg	agggagtcgc	60
tttccccga	cgtggaagcc	tgtaacgtat	gggtagaaat	tggtacgaaa	ttacttcgat	120
atgatggctg	gggtgaagga	taaggagaga	gtcatggcga	ggctacggaa	ggattcaact	180
aatctcaaaa	tgggcccctg	ggctttactg	tcattcgacc	acctgtatta	ccagagcaag	240
gggggcacgg	ctcaggaaca	cgtacgttca	aggctggatg	aagtgttcat	tgcctcttat	300
cttctatctg	ttggagagtt	tcttttagac	ttgccaaaaq	tttqtgttat	catttatcc	358

<210> 4129

<211> 194

<212> DNA

<213> *Aspergillus niger*

<400> 4129

cgatggactg	aagaaggcct	tggcccgctt	aaacccctgar	gttgatgctc	tggaatcgcg	60
tgcacccaag	cttgcacatg	tctagatata	tttcatttag	ggtttggttg	aattttttatt	120
tggcgcggtg	gtccataaaa	atcagtcata	aagtttagtg	ccaatgcttg	aatgagggct	180
gaatgatcgt	ttcc					194

<210> 4130

<211> 579

<212> DNA

<213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

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ttgcgtcgct ggcggcggag cctactactt tgctaagaaa tccatcaacg ccgaccgtca      120
gacccgattc gaagcgggaag tgaagcgcaa ggcgcagctg gctgcgatgg aagccgagca      180
ccgacgccag aacgccccga acaatgcccc gactcctagt ccgaccgaag atccgagcct      240
gaagcgcgcc cagtttagtgc gtgccgatga tgtggcctcg ccgagtgcctg aagctagcca      300
tgaccccgca ccgactcgtc acgaaccgga gacagaagct gagcgggtgc tggagaagag      360
taaatatgag gctacgcagc ctttcgggcc tccgagggga aaccgcttgt angctgggag      420
gtagtttgca cataagtatg tgangtggag gcggtgatgg taaaacaaca agggaaagaa      480
aaggtatgtg tgtggcattt tcatgtatca tagtgtgttg ttccgaactg caagggttc      540
tacaagatta atataatatg acctgcnttg aataaaaaaa      579
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<210> 4131
 <211> 508
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 4131
cccatcttcc aatcctccca ttgtccgaaa gagcacggaa aaaacaaaca aacaaccccc      60
aacaacaatc accgccataa tggtcgactg gttcaagtct tccaacaagg agtctgtctac      120
ccagcagccc acctggaatc ccaacaccat gaccatgcag cagccttccg ccccggaagc      180
tcccgtcacc gagcaggctg tcaccggcca acccggccag caagagacga tgcagatgaa      240
cctgcgtggt ggtggtgagg gtgaggatgt ttgctgtggc gtttgtgccg gtcttgcctgc      300
ttcgagtgtc gcgaatgctg ctgctagatg gaatcatcac ccgcatagac catcttatat      360
ataccacgaa ccttgacgtc catgtactgk taatattatt cgcacatgc ctataccatg      420
tttttagcct tgagactgaa gcgatagaag gtccacgtcc tggcttcat aaatcaatgt      480
cacgataacc ttttttgcaa aaaaaaaaaa      508
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<210> 4132
 <211> 459
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 4132
ccgaggtgag cagcactgct tctgcaacga cctcgaccga gtccgcgacc acgactgccg      60
cgaactatgg caactatgga aactacggca actatggcaa gtacgccagc tacggctcgt      120
acaagaggga tggtagccc caaccgacc aggacgtga gtccctgacc acctctgctg      180
cgaqcaagac tactactgcc gcggcgggat atggaaacta cggtaactac ggtaactatg      240
gccagtaacc ttcttacggc agttattaaa aagggaagtg agtgcgtgat gacacaaggg      300
gacaagtgtt acctgagcag aagtggaggg taacgctgct gggattggga gatcagtcac      360
gatgatgtct aagaatgtgc tttctgttgt atttattggc aattgactag ttactagata      420
agtataatgc agcgttgctt gaatcctaaa aaaaaaaaaa      459
```

<210> 4133
 <211> 202
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 4133
cggttgggat cactctccca ctccacggag tcatcgctct caatgcggaa cgtcgaccgc      60
gaagggtgact gacacctggc ggtagacaat caatccattt cgtatatagt aaaggatggg      120
gatgagggca attggttata tgatcatgta ttagtggggt gtgcataata gtagtgaaat      180
ggaagccaag tcatgtgatt gt      202
```

<210> 4134

<211> 640
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(640)
 <223> n = A,T,C or G

<400> 4134
 tagacaacgg cataggagaa ggccccatca gtaccacgct caaaccccaa caccactcgg 60
 agcaagctct ccaacgtctc ttccgtctct tccttgctcg aagcaaccac ccctgtcaag 120
 cctaccgctg aagccgaagt cgaaccttcc gaggcagcta tcgaaatctg ggagagcgag 180
 agtgctgcgg aagaagccgc cgatgccaac tgaatctgcg gccaccctga ctatcgccca 240
 tnatccatac caacaagagt tatttcacac ggcgttcgga ttacctcagg gttgtacagc 300
 atcggttttg ggatacccta cttatacagt ctttttgatt tegtgttgag cccgttttat 360
 accgaccaag atccgtcaag aagacgaatt ttcttgagtc tttttcttat tatcatgtcc 420
 aagaacctac accataccct cctaatacgac tttctacatt tatccgaacc tcaactacct 480
 cgacacgagt cactatcaat ggctgaagt ataatgggac cctccgtcgc ctcactcett 540
 tgcgcattct acgaatgccg cgtccaatta cctaactcct aatgactaag aatgtgttac 600
 gtcgcntaat gcctgtatga gatacatacc ctcagtttaa 640

<210> 4135
 <211> 449
 <212> DNA
 <213> *Aspergillus niger*

<400> 4135
 ggaaagcacc ggacatgaca ccgagcgcaa cgtccgcatt ggcgagagtg ccatgccctg 60
 ggagcaggcc gacgagagtg gcaaggtcta caagtaccaa taccaccccc acggtgacaa 120
 gagccagccc ctgcgcaacg cccccagcgc cttgaacact gtcattgtcc ccaacgttac 180
 cctgccccgtg gacctccacg agcgtacaa caagtacgga aaggaggagt gggactacta 240
 aatagttcac catctgcaat tgcagaacaa ggctgtgttg ttgagatcct aggaagaagt 300
 tgaggcaggt cggcgtgat cgctgtacac taaaacttgt gaagactaga gtatggggtg 360
 agaccgttct tacaagacca ctgtgcatag tttgttgttt tgacgaggtt tatttggag 420
 attgttttcg ttgcgcttac aaaaaaaaaa 449

<210> 4136
 <211> 568
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 4136
 taatagatga tcgattttat ttatcctggc ggtctggcac tgttccactc tcgccctcca 60
 ttcttccccg tctttttttt cgcacaggcaa ctgcatagcg cgggaagggt gggggcgcgg 120
 tcgagtaggc tgggtgtacat gtgggtttgc tttttattta atcacaggaa cggcattttg 180
 gttatctata ttttattaat gggctactgg gtggattgcc cgggaaggac cgatgggtgag 240
 agaagagaga ggaagagaga gacagcgagc tgccttgact tgacagtcca gaatcgccga 300
 cagcaggaac gcgcacacac cgctgggaat cattcaacag tggacgcagg ggggtgcaggc 360
 tggatctatt tctttttctc tcgcccggtc attctcttat tctttctttc cctcttccct 420
 tctttctcctt cctcgtcttc gataccgtct ttgtctgggt cccacacctn cgtgtaccat 480
 tttctttgtc atgtcatgtg tgcctgttaa tatcgtnggt cgatttccat acccattcgg 540
 ctaattgtac gatttattat cctcattc 568

<210> 4137

<211> 404
 <212> DNA
 <213> Aspergillus niger

<400> 4137
 cgagtcacga attggctagg tgggcttgat agaattttctg tttgagcggg gtcacttgtc 60
 ttctgggttc atgccgctgc ttgggatggg gtcaggttat gactccgtct ctggcagagg 120
 cgcattcgtg tcatggcggc atctacttcg ggggtgcagaa aatctactaa tttaggcatc 180
 cttccttctt cgccaaggcc atttattctg gtcgtttagt gttctttaat tgggaagcat 240
 tctgtgccct cttttctctc ctggacgccg gaatgctggg tcaaaaaggg gtttctcagg 300
 aggaaaaaag aagaaaactg cagagtgtgg gggccagcgt ttagctagga gatatcacccg 360
 tacgtaatgt ccaattcata ttattcacct ttggaaaaaa aaaa 404

<210> 4138
 <211> 612
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 4138
 ctgagaagaa tcatggccgc caattcaaca cttcccgttc tagcaaggcc gtcggtgact 60
 catccaccgt tgacttcgct tacatgccat ctatggcaga gatcgatgca cctgctgctc 120
 gtgccgatcc gcaaatcccg atcctttccg acatctatac ccactatgac ccgaccaggt 180
 cgcaagaggc ccccatgagg ccccgagttt ataccgtgtc cgggggtgct ggtgacatct 240
 ccgcaagtc ccatgaccgag gttgttgaca atcactccgt ggacatcgat cctttctccc 300
 taaccgagac ggttggggaag tcagattcgg cgaggagctg aagaagcaac agaacggtn 360
 ttccgaacca ggagtcgctc ggaacttttg agtggttctt ggaagatctt tangttccaa 420
 acagcagcaa gctcagaaac actaatgctg ccttatgttt gattatgtct tctgctcggt 480
 ctagegatgt gtgatgggta cttttcaaag ggcccttatt gccgcttttg ncaatgcttt 540
 cgggattgaa acatagttat gatcctctgt agaaggacta tcaatcattt gggtttccca 600
 aggaaaaaaa aa 612

<210> 4139
 <211> 512
 <212> DNA
 <213> Aspergillus niger

<400> 4139
 cttgactatc qgctgtgtgc tcggcatcag ctggtggcat cgtcaagcgc gcgaagaaga 60
 agagttgcgc cagtgggaag ccattggcggc ggagaatccg tggagcgagt acccgccgcc 120
 ggagatgtac tcgcagccgc agcagatcac gcagtacggc tccgggtttc aagttgtgga 180
 tactgatggt cgaactcacg aggtcgggta ctccaagaag gtgatgatga gtgtgtcgga 240
 agataagggg aagagtccgt cgcaggagta tccgggggag ttgaagctgt aatgcagcat 300
 cacaagcgac tgtgatggta gataagcccg atgtcgttga ggaaagagaa agtgggaggg 360
 aaatgggtgga tatgaatcat gtctttgggtg tcgttgggtc tgctgtattg ggttgggttc 420
 atgtgcataa tyagycatat accccgcatt gctgggggac atatatctca qttttaaata 480
 aatgaaagat tagaataagt atgaaaaaaa aa 512

<210> 4140
 <211> 712
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(712)

<223> n = A,T,C or G

<400> 4140

attgaaaccc	agaagactgg	atggaaattg	aacacttcac	cgtcaaccat	tgaggacaag	60
gatatcctga	agcttcacct	gatcaacccc	ccggtcaana	anacgacct	gcacttcccg	120
ctagggctcg	aagtcaccgc	tcgcaatatg	aaggggcgtca	cgataaagga	tgcgctggac	180
gcaatctaca	agcaattcaa	gaagaaggcc	gatgatgagc	tggacaagcc	ttacctcgct	240
ggtttcgagt	gggacaagga	cgagtgtctg	acacgcctca	ttgttcacca	gaccaagacg	300
ggccccccctc	aacagcccag	caagaagtcc	aagaagaaga	gcaaggctga	agaggcatag	360
actgcaagtt	cttcggatag	gccatgtcca	tcttacaacg	gcttctcttt	tatctctctt	420
taaattggeta	ctttcaccat	aattttgtga	tactttgtcc	tcttcgtgcc	cttggcctct	480
ctggatcagc	ccccgagaag	gtcgaggcag	gagctaggcg	agaggatgat	aatccctgta	540
atctgctttg	atgtcttcca	actccaactc	tctactttcg	tttccttccg	aggatcgctt	600
cgntattctc	tagttgagtt	gacttactga	gcaccgaacg	atcttgtatc	ctcgagcgcc	660
attccttcat	tcagattcaa	tgtggagaca	gagggatact	tagttgaaaa	aa	712

<210> 4141

<211> 207

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(207)

<223> n = A,T,C or G

<400> 4141

ttacaagaac	accccaacgt	cccagtcata	ccatgaacca	acccgaaaaa	gcaacccgctc	60
gcgtcactgc	tgcggaagga	caactgacgc	gccgaccgng	caggatggct	aaaaagaaac	120
aagcaggaaa	ataaaaaaag	ngtttaacca	ccgnaagatc	ttgcgtgaca	acatccaggg	180
tataactaan	cccgtatcc	gtngtct				207

<210> 4142

<211> 495

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(495)

<223> n = A,T,C or G

<400> 4142

tgcgactttt	gaacaatcac	ggctccgaca	gctctccaaa	gagactcgta	ccgaaggcca	60
tgccagcact	agctccaatg	tcaatatattga	ccccagcgat	gagctcaagc	cattgcccggg	120
ggacaaggcg	agaatcgtec	gctcgcgggg	agagcgcatc	ggattaatac	gacgcaatta	180
acttttgaag	ggtttgccca	acacggttggc	tttctctggc	taccgattta	tgcgagtat	240
tgcctcgggc	atcatcacca	cttcccaaga	gcaagagagc	cccgattggc	agtgaataat	300
ctgaaagtcc	cacacacatc	aagggtgtggt	ttttcgcagg	tcaatttttg	ctacaagtgc	360
atgtttctaca	agcgataata	ttacaacgac	aggtctgtgca	taacatttnc	aactctatcc	420
cgacggcggtg	nccttggttng	aacctatctg	ngatctacat	ttttaatgna	ccgggtctttg	480
ttccaaaaaa	aaaaa					495

<210> 4143

<211> 1425

<212> DNA

<213> *Aspergillus niger*

<400> 4143

ctctgattga	acgctgtcca	agtacttgac	acatgctaata	cgaacgacta	tttataaaaa	60
------------	------------	------------	-------------	------------	------------	----

taaaaatgagt	agtagtggtg	tacaggtgag	taaaagataa	tttggctacc	ttaaagtaag	120
ggaaaaatcc	cttataaaaag	aaaggaaaaat	aaaagggtccg	ctttaagatg	ttaatcttta	180
tctcggagag	tagtaggaaa	ggtaatgact	tttctagcta	atatccgtag	tcgtgactga	240
gaggtcgac	gaccacattg	ggtctgagaa	aaccccaatg	cgtattagta	cagcagtgag	300
gaatattggg	caatggccga	aaggctgaac	cagtaacttg	gaagaatgta	aatgtattca	360
agaaatataa	taacgattaa	ctcgtataaa	attctaaaata	ggataatgat	aatgacaatt	420
tcctatttat	aagtcttgac	caaattacgt	gccagcagtc	gcggtaatac	gtagaagact	480
agtgttagtc	atctttatta	ggttttaaagg	gtacctagac	ggtaaattaa	actctaaatg	540
agtacttttt	tactagagtt	ttatgtgaga	aggaagaact	tctggagtag	ggataaaaata	600
cgcaaatacc	agaaggactg	ataacggcga	aggcgtcctt	ctatgtaaaa	actgacgttg	660
agggacgaag	gctcgggtag	cgataaggat	tagataccct	agtagtccaa	gcagacaatg	720
atgaatgtca	tagactagat	ttaatattta	gtctataaat	gaaagtgtaa	gcattccacc	780
tcaagagtaa	tatggcaaca	tataaactga	aatcattaga	ccgtttctga	aaccagtagt	840
gaagtatggt	atttaattcg	ataacccgcg	aaaaacctta	ccacagtttg	aataacaatt	900
aaaaaattgt	tacaagcgt	gcacggctgt	ctttagttaa	tgtcgtgaga	tctggttaac	960
tcctttaatt	aacgaaaaac	ctcactttat	ttagtatat	aaagtgggtc	gacgctacat	1020
aggatataga	taatagggat	taagacaagt	catcatggcc	ttaatactgt	gggctataga	1080
cgtgccacat	acgccttaac	aaagggatgc	gatattgtga	aatggagcta	atccccaaaa	1140
taggatataa	tatggattgt	agtctgtaac	tgcactacat	gaataaggaa	ttactagtaa	1200
tcgtgtatca	ccaacggcac	ggtgaattta	ttctcagcta	ggtactaacc	actcgtcagg	1260
cgctgaaaga	agtatgtgca	ataagtttga	tttgcttatg	tattaatata	tataatcagg	1320
tatataaata	tgtatgtctt	attttcgtat	gcatgacttt	gattgggtgtt	aaagtcgaaa	1380
taaggttcgt	gtaatggaaa	ttgcacggga	tggataaaat	ttaac		1425

<210> 4144

<211> 458

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(458)

<223> n = A,T,C or G

<400> 4144

ttcgcacctt	tgataaagat	atcaagaaac	cagaacaatc	attactactc	tctataagga	60
tatatatact	ttacatctca	cacatcatga	aatctactac	tactacttcc	tcgcgccgtc	120
tcacagaatga	cttttgagcc	gatctgtggg	tgaagaatcc	gcctaagcat	catcccacgg	180
caggacgcgg	ccttttcgct	gggcttcaag	acactaagaa	ctataatgtc	gagtcgggct	240
gggcgaagcg	cagcaattgt	gagagtcagg	ggtttttggg	gagtttggtg	agccgggtcat	300
tgggggacgc	tataagctc	ctactgatta	gatgcattga	ctgacgggta	tggggaagtg	360
ggtgacggat	tatgatgnat	ctatgggttt	ggtttggtgt	tgggaatccg	tatagcgtag	420
atatagcatt	gngaacangq	qtctttqaga	qaaaaaaaa			458

<210> 4145

<211> 429

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(429)

<223> n = A,T,C or G

<400> 4145

ccgagaggaa	cttaagggtt	tcccagtcag	gccaatttca	ccgagcgaaa	cctgacccgc	60
gtccggtgtc	ctccactaac	tgatcacata	gactatccat	ctcggttgc	atagctgcag	120
tatgcgcatt	acaaaattgg	cttttctcaa	aatcaatcag	tcgcaccgtc	ccatcttgaa	180
caatgaagtt	gtatctgttg	acatccccat	ggaggatgcc	aatgtcatgt	aggcgtgga	240
gggcagcttg	acaagacgaa	agatccctga	tttttgcttc	acgcccttgg	agcttttcta	300

gcataaagcc gattacacgg ccatgctcgt ggacatggcc aatgaatctt ggggcaagac	360
ctgtgtttcc aatttactat acatgagagt ctncagcaat aacgangtat ttccactcaa	420
aaaaaaaaa	429

<210> 4146
 <211> 304
 <212> DNA
 <213> *Aspergillus niger*

<400> 4146	
caacacgcct gtatatgcgt ctcccacagc aacctccacc gcaacagttg aaccccatte	60
gcaatccctt catcttatcg aattcgatac ccaatcatcc cggcccccaa gcgcggtacc	120
tacatccata tcccccttcc catccggacc tcaggatgaa tgaccgcaat catgactact	180
atcgtgtttc acaatcccc aaccaccgga taatgaataa gatcacgccg gtaatgtctc	240
acttacaacg agacaaccaa tgaatacag ttataatcat ataataatac ttataccgac	300
cgag	304

<210> 4147
 <211> 116
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(116)
 <223> n = A,T,C or G

<400> 4147	
ggtagctacg atttgggtgt ctcttttatg atgacgtgga tcaaacaatt gacggatcat	60
ggtactctaa aaaaaaaaaa aaaaaaaaaa naanaaaan aaaaaaaaaa attcct	116

<210> 4148
 <211> 431
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 4148	
ttgaattggn acataaggag gagagtgttc tttctttttt ataaccatt aacttgtrrr	60
gtacattttt atttcacgca acccaattca caagaaagga agaaatctct tgttctcttc	120
ctttccccc acacgccaac catggccgga acgaaaaagc gcgcgaacgc cgacgacgac	180
ttcgtgctca cattgtcgga cgatgagaat gacacgttaa atcagctcga agaggagggc	240
gagggcgacg atggtgcgct agccacggga tcgaaaacga agaagcgcaa gagagatgat	300
gctgcggcgg cgcagcagga gaagggggaag aacaagaagg tgaagaagca ggaacaacag	360
caacaaacaag gcataagaaa agcaataaga aaaagaaagg gaaaccagac ttcgaaagaa	420
caagaaaaaa a	431

<210> 4149
 <211> 531
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G

```

<400> 4149
cgggagacca gcattctttga ccttcagatc ctcttctctgt acttcttctct cctggcttgc      60
ttctctggcg tegtctactt cttctacacc gtctggatcg ctccctactt ccccagaag      120
cgccgcgctg gaaagggccc cgagtacaag aagtcgcgtg gtgcctccaa gaaggaggcc      180
cccgttgagg cttccagcag cctgctgtc tctgttgcca ctacctaaa cgccgagtgg      240
atccccgctc accacatcaa ccgtcctgag gccagggaag tcaagggtag cgccaaggct      300
aagaaccgtg cctaaatggc ccttgcatg ctgagtcgat gggtgatctg tgaggagata      360
ttgggaaggc ttggagtcng anggaacctt ggtggctctc cancgactct ggagtaaggc      420
tagcggactt gggaaaggtc acttgaaaat gtggccacaa gaagttatgn tgcttgatt      480
tgcgggtcat tacttaaatg atattataat cgagttacnc aaaaaaaaaa t      531

```

<210> 4150

<211> 379

<212> DNA

<213> *Aspergillus niger*

```

<400> 4150
acgacaaggg ttactaccta gcagagaacg gtcctttctg ctgggggtgac attcagaagc      60
aggtggccca ggttgcttat gagaagaagc ttatcccgtc cctgaggtt gagcccttga      120
ccgacgaaca gggtactgag accaaccaat ttggcctgta tgccctgggt agcagctctc      180
gcggtaacttc ctaccgtggg agaaagctgt tgggttgga cccccaccgt cccagtctga      240
aggagcttat tctgagatt gttgacattg aagccaaggc tttgggcttg ctgtgaggga      300
gtcgggaat ttatgtagcc aactacgacg cattgatatg atgaatgaca tgataatatt      360
taagatgaaa aaaaaaaaaa

```

<210> 4151

<211> 338

<212> DNA

<213> *Aspergillus niger*

```

<400> 4151
gtctcacact cccaatcctc ccaagcaaag actcctgctt ctctctcgag acaacccttc      60
tccaaacatc cacatcttac acaatgcgtg ccgtactct cctcctcgtc gccctctcgg      120
ctgtggctct cgccctccct accaccaaca acgtcgagcg tgccgctgct gacgccaaacg      180
tcgctcagat ggacgagctt accgttgctg ctatcagcaa gtaaatggtc aagcgggata      240
ttacaaggga tcaatgatac aacgcgaaga tttatgtatt tagttatgaa attcaagtca      300
attaattaaa ctaagtatct tttgttgaaa aaaaaaaaaa

```

<210> 4152

<211> 463

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(463)

<223> n = A,T,C or G

```

<400> 4152
atcccgataa aatgggnaag ggtcctctc cgcctccctg ctctgctccg ggcaatggcn      60
cgaagcctga gnccttccat tttatnccga tacacttaca aaagcggttt caaacggcct      120
tccaaaggga aattgangga tacaagtcga caatccgant gtccttgatga acccagant      180
agacgtcatt gaaggagtcn gaacagcggg cggggcttgc antggatggc ttttcagntg      240
gngcatttga qttctqgtct cngggcatcc ccttatgcat caqtttcato caagcatota      300
gggcatttga catttcgctt cagttggtea cgacctanca ttgttcattt ontattacot      360
tcttgatttt gcattcngntg tgcnaagac gacgattgoc tancctaccga ctgtatctaa      420
cgggggatac attatgaagt gngatatcat ancatnttat tag

```

<210> 4153

<211> 385
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 4153
 ctnaagaact acttctcttc gtcagaacaa gaatttcgcc aacatgcctc accaatacat 60
 cgtcagcctc aacaaggagt ctccccctga ggagcttgag aaggccaaga agactgccac 120
 cgacaacgga ggcaagatcg tgaaggaatt tgcgctggtc aagggattcg ttgtccaata 180
 cgatgatgag caagtctcta cctcagagtc ctccgaccac atccacgtcg agaaagacag 240
 cgaagtctca atccagtaaa cagtgaacca aaggatatcag agtggactgg tccggccata 300
 tgaatctttg cgggagctta gataacttct atcttaattt ttatatcca tgtatgaatt 360
 atgatatgac ttgcataaaa naaaa 385

<210> 4154
 <211> 408
 <212> DNA
 <213> Aspergillus niger

<400> 4154
 gtaacttcag ctgcagcgcc ttcaagaccc tgcgtgagaa caacgtcatc cgtggtagct 60
 acacctgcaa ggccagcact tccgacccca ccaccagcga tggatcctct ggcaccacca 120
 cctcgaccgg cagcagcagc agctcttcct ccaccagcag cgacagcgcc tccgtcatga 180
 acgtggctaa catgcccgtc cttggtcttg ctgccgtcct cgttgggtctg atccagtacg 240
 ctctgtaaag gacaacttga taccaaaacat ttgtgtgtac gctttttttg aaacccttat 300
 catggtcgtg taaagttagc taataagcaa ttggtttcct ttaattccaa gtactgtgct 360
 gttcttatga taataattga atatcggttt gcttgagcca aaaaaaaaa 408

<210> 4155
 <211> 359
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(359)
 <223> n = A,T,C or G

<400> 4155
 gatgctccac gccaaagctca tcgaagcctc ggccgtctac tccaaggaca aggagaccct 60
 gtcttggttc gtcatgcaga gcgtccacga caagcaggac ttctgcatcg tcgagcgcta 120
 cctcaacgag ggctcccaga agtaccacct cgagaacccc tactggaaga ccttcgaccc 180
 ctacgtcatc cctctcttgg agaagcccat ggacctcaga cgctttgagg agatggagga 240
 gaagaaggag taaatgtgca tactataaaa cttgaaatgg catgtatata gattgaatga 300
 tattttccga tgcggtgcgt tggagtttat tcatggcaaa aaaaaaaaaa naaaaaaaaa 359

<210> 4156
 <211> 240
 <212> DNA
 <213> Aspergillus niger

<400> 4156
 ccgcttcgtc cctgtatttc tgagcctctc acaaccaggc aataacaggc ctggcttttg 60
 catagctcat tatatccaaa tcaggcgcta cttgtcccgc ttcaaatacat tattatgggc 120
 catgcttatt gcgttacgtc aaagtctctt cttccagctg atcgaacccg gggcagagtg 180
 atgcggcatg aaagcttttag aaatatatgt ataaagctat tagaattgat tgaatgagac 240

<210> 4157
 <211> 449
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(449)
 <223> n = A,T,C or G

<400> 4157
 caatgatcac cgacgacgaa ctccaccgtt tggccgtctt cctcggtctc tgcgccatga 60
 tgatgatcgt tctctaccac ttctctgaag tcaatgcgaa ggatgatgat gaagaagtcg 120
 acgtcaaaaa caacaacagc aagcaatcta cgggcgcctc gtcggctggt tcgactaccg 180
 catgatttga taggatttgg ttctggacttg agcttgcctg ggaggggtgt gataattcga 240
 taatgttata atcgtgttgg gcgatggatt tggtttggtt ttgggcttgc ggtactacta 300
 catgtatggt ctattgttcc tgagcgcaca aagggtgaca gggggatggt tgcaaaagcg 360
 tgggtgaaca gaacagaaaa gtggcgatga atanataccc ggtggtctct cagaataaac 420
 tacttattcc tctctcaaaa aaaaaaaaaa 449

<210> 4158
 <211> 147
 <212> DNA
 <213> *Aspergillus niger*

<400> 4158
 tcttgcgtga agcaggaagc ggaagtgtgg ggccctcttt ttttctctggc ccgtgaagac 60
 tgggtggattt gtttagccgta cataattgaa tccgttctac ttgttgatta ttccaagtag 120
 catttaatgc acatattttg tatcact 147

<210> 4159
 <211> 562
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(562)
 <223> n = A,T,C or G

<400> 4159
 aaaqaqcacc tqctctgact cqqaqattgt ccagatgac cqcqatqqag ctatcqqaac 60
 ttccgccagt ggtggtgatg gcctcgcttc tctctggac ctggccgggtc ggactggtgt 120
 tgcagcctac taccgtgccg ccagactgta caactctggc ataaactccc ttaagtccac 180
 caccaacctg gaccttgcc cgggcgccac ttcttgctac gcctctgata tcgccaaccg 240
 tctcaactggc tggacgacgg ctacctccag ttgctctagc tggtaagctt cttcattccc 300
 acgcagtagt gggattgaga ggtatgcttt cccagcgttg gcataagcat gccttgagca 360
 ctctggatatg gcgatttttt ccttccattt cttctcttctc tttagacattg atgcgataga 420
 ggtagcacaac cgtgttcagg cagcatgttg tctctctatc gcaagtttcc ctgactttct 480
 tgggtccgtg atatcattct gnttttgnat ttcaatgggt tttatcttca attagaagca 540
 ttgctcgtctc tgaaaaaaaa aa 562

<210> 4160
 <211> 462
 <212> DNA
 <213> *Aspergillus niger*

<400> 4160
 cttccggtac accccagagc gcccaaaaata caccaagccc atctgatttc tctccaccgt 60

ctgctaaggg	acttttcta	t	tcgtctttcg	ttggaaacct	acgaatcacg	gtttcacaat	120
gtgcacttcg	ttttacatac	ag	tataacctg	tgggtgcaga	aaagagatgg	agttcgtcca	180
gtgcgcgcgag	cgtaaggga	cgaatgtgaa	atgcaagcct	gtaaggaagg	agccaggcaa		240
ggattctacg	aactattgca	gaggtcatct	tgtgaatcct	gatgccccaa	agaaatattt		300
ttccgacgag	gagttgcagg	attgaatagc	gaaaagaaaa	tgagtactcg	tcaagctcaa		360
atatacttag	tctaggaatc	tcaacttgat	agtcaatgtg	tcgtcttcgg	acaagtgtat		420
atacgtgcga	aacgcgctca	ctagaatagg	taaaaaaaaa	gg			462

<210> 4161

<211> 613

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(613)

<223> n = A,T,C or G

<400> 4161

gtcttttgtt	actttctct	t	tcctcccaac	cttctctccc	tccacgttct	taacattcca	60
atcctccctc	gtgctcgccc	ag	caatcaca	gacacacgcc	accaataacc	tctttctct	120
tcaaatccct	ttactctaca	atcacaatgc	gtttcttcgc	tgtcatcgct	ctcctcgct		180
ctgttgccgt	cgccagaccg	gctgagaatg	gcgcgctgaa	cgtccagggt	atgtgccttg		240
gacggaacga	cggcatgtgc	gttggcggca	acatcacggc	cgtcggaac	agctgctgcc		300
tcctctcgtc	tgccgaagtg	accgactctg	ccactaaacg	ccgagcaacg	cagtctacca		360
tgttgacaac	gaggattaac	tcctaagctt	tgaagatacc	taatgtgtgt	tggggataaa		420
ggtgtgatgt	cggatacgcg	ggcgtggtga	tgaaggcatc	tcgaacggsc	gggttcatat		480
tgnacttgkc	gaatacgact	aatatgtgtc	aatamcacta	tgcgacgctg	acaaagctcg		540
styaaaaatc	ggtgatgggg	tagntaatta	ggaagatgtc	taactctgnc	gatgcaaatt		600
aactytgatn	aac						613

<210> 4162

<211> 207

<212> DNA

<213> *Aspergillus niger*

<400> 4162

gtctctttta	cttagcacag	cgattttgtc	ctagcattta	tggttgcccg	atttagtttg	60
attccccct	cgagcatttg	tttcttttct	agtggagcag	tgagcggcga	agtgtcctat	120
ctctgtctct	gctgtggatt	gcaggcccc	gatctcagcc	ttcaaaagct	ttcgattgta	180
tgtatttaat	caaaaaaatg	acttgag				207

<210> 4163

<211> 361

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(361)

<223> n = A,T,C or G

<400> 4163

ctttcaccac	gatttgcaag	gtcccttgg	ggccctgaaa	caagttgccg	angggcagtt	60
tcccaaaagg	gttggtgggn	gggcttcaag	acgcaagccg	aaqccctgtn	qqqqqqccct	120
ggcgaanagg	gaatattgtt	gaagctctcg	acattggccg	attttccaat	gacgggtggc	180
cgatggatgc	gcaatantga	cagtangagc	tgcctcccg	tgaactggag	tcgcccana	240
ggcgagggaa	aggganagcc	aaaggagggc	cttcatgatg	gccatgatct	gtaccgctat	300
gggtcataag	ctctcggatc	gggctgggag	taactctata	tacagttcca	tttttcaccc	360
a						361

<210> 4164
 <211> 471
 <212> DNA
 <213> *Aspergillus niger*

<400> 4164
 ttttttatag taaaatgccc aattcttttg atattttccg cccgaacctg atattgaaag 50
 aaattggaat agtcgtagtg aacagagtgt agtaacataa aattgaacag ctggaaatgg 120
 tattcttctt tttttctttt tcatttcggc tcaaagtatt cgactgcaag aagggggtgt 180
 gaaacggcca gaattgctgg aggaagacag ttcagttttg agggagatca agtatgaaat 240
 aacaaccggt ttttcctttc cttttttaac ctcggcatta aaaaaaccgc aatcctaagc 300
 aaacatgagg ctgcaatcga gttacatata cttcatgagc tgtttcctcc tgcgaccccc 360
 ctttcctttc gcaagtgcg gttgtggagt tcgaccagtt gcttgcaaaa gattgaaagg 420
 gggttctagc cgccgccttc gcaggactcc ttcacaataa ctaccgaacc c 471

<210> 4165
 <211> 435
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

<400> 4165
 cctgcttctc cttgataatt tggacaaaga ttgcgacagg ctgagaaaga cccttcacag 50
 ccttggagaa gccactgacc tcaagagcac gaaggggtgat acattcttgt aagtgaccca 120
 gtgcattgag aatgtgtttt agtaccgcag tttcgtttat gatctctcat cttccgatgt 180
 tcttttccct aatctttttt tcttttttct ttcttctgca ttatctttgc attttaattt 240
 cgatgtcatg tttgcatttt tcttcttttc tgcattgaaca tgaaccagaa ccagaaccaa 300
 gaccacagtc ttttgtttgt ttcatttctt ttgtcttttc tctgtttctc ctgtcttttt 360
 ctatagactg atcatgatga tgactatgat gacatgttga taacgctata aatgtacgtg 420
 ctctgataaa caaaa 435

<210> 4166
 <211> 398
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 4166
 gccgtgatga ggatctctgc gcanggagac acggacaggc atcanggtgg tggaggtcat 50
 tcnngaggat cgaggagggg agaggaattg agacgtgggg ggaaagaaaag gtcaggaggg 120
 atgcgtgcac ggcattytcg ggcagtcgg gggcaattcg gaggattgaa gttggcanga 180
 ggttttttgg gccaagctga agcactcgag aatcgcagct gcaggctctgg atgtgttccg 240
 gattgggagg agttgaaaagt tgtatcttta cggataaccg agcaagtatg tctcagtacc 300
 tgacaggaca agtggttaccg ccaggatgta tgatacctgt cacaacgata cctcactggg 360
 actagcttaa catacatata tacatcatat atcttcac 398

<210> 4167
 <211> 552
 <212> DNA
 <213> *Aspergillus niger*

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<400> 4167
actagacata cctccactat accaccgtca ccgcgatcgc tgcagatcct gatcccaacc      60
ccaagatctc atattccatt acctgtcacc agtgatttct cacaccgcca ttatgaacgt      120
cacgctcaaa atctgctctg tcctcgctct agccgtctcc gcactggcgt tgcccacgac      180
cgacacgcga gttatccaac tccgtctttg ggcgaaaacc ggttggtgccg aggagaacaa      240
cggcgaaact ggctgttacc aatccggcct taatgaatgt ggcaccttcg caggtcccga      300
agccatccac tctatcacca cctactacgt tgtatccggg tatgctgctc aattcttcac      360
cgactcgaat tgtcaggaag gccttcagaa tgtacaaca ccaggatgtc tcaacggtga      420
cactgcgttc gccagctata agctggttct gacctagtag tggattggaa gcagatgagc      480
agtgcagaga tggatagatg atattgaact atagttgtga atgttaagag aatagtgcac      540
taaaaaaaaa aa                                         552

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<210> 4168

<211> 489

<212> DNA

<213> *Aspergillus niger*

```

<400> 4168
gtgcctcact gattaatgcg tcttattttt attccccctcc tgtgtcccat ttctctacat      60
tgtcactctc taatcattgc tttgaacacg atatacataat gtgttaggca aacgacatgc      120
cctgttcgcc gtggcgaaact ctgatgaacg atactgtctt ttatttcctt gcccttttcc      180
tgtccatatt ggagctttac tctttcgctc acatcttctt tttcttcatt tcccttttgg      240
attgcggtct gtctttgcac ctcttggatg tatcactctt tccagcggtta tttcttttcc      300
acgcttgatt cccctctac atttcttctt ttatctatcc actagtgtgt gggccttttt      360
ctattttact cagtatcttc aggaagagag ttccacttta tggcctgtga atgagattac      420
tcgactttcc aaatcgcta cgttgttgat agaaacaatt tcaacgaatt catcaataa      480
aaaaaaaa                                         489

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<210> 4169

<211> 323

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(323)

<223> n = A,T,C or G

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<400> 4169
ctatcacctc ccccgccctc cctatctacc tgctccatca aacttaccgc accaccgcag      60
catacagtgc atatacctcg ccatctctat cccgattacc gaataatcct ctaaatcagc      120
ttcatcttgt ctctcttctc ccttcccat catgtatgta ggtgcggagt gaatgtccac      180
catatgcata ttcttaactc gtatttaacg gctgctaagt cctgggtctg ttctgtccct      240
cccaggagtg actagattgg gttacagtgc attagaagtt caaccagatn accaatcaac      300
ccaatgaaac atacaaaana taa                                         323

```

<210> 4170

<211> 462

<212> DNA

<213> *Aspergillus niger*

```

<400> 4170
aaaagatoca tccatcagtt tgaatttgat cttaagttat ataaagtttt gcaggccctt      60
talccctttg gcgaaacatc tgtttggaac agctacaatt gaagtcaaac cagagccgag      120
agaagcctac agacaagcgg ggcattggtc agattggtca cnaagagttc aatccctqcc      180
ccgatgaact aatccaggaa tcccatcact ctggaccaag ctggaaaagt attgagttaga      240
caggccctat gatgaagcct gtaaaaaagtc aggaatgggt agagattgta cgtgcggggag      300
aatagacttg gctgtggctt tcaactgtcg gtaacaccca tttcaatata tttagaccagg      360
ttgatgcctg gaatgatatg atgaatatta gtccaaggaa gtgattagtt aggaaggact      420
aacaccagta ggggtctcta taagggaacgc ccaaaaaaaa aa                                         462

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<210> 4171
 <211> 435
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

<400> 4171
 cggaacttcc gccagtgggtg gtgatggcct cgcttctctc ctggacctgg ccggctcggac 60
 tgggtgttgca gctactacc gtgccgccag actgtacaac tctggcataa actcccttaa 120
 gtccaccacc aacctggacc ttgacctcgg cgccacttct tgctacgctt ctgatatcgc 180
 caaccgctct actgggtgga cgacgggtgg cgatatcaga ggcatgattt attgtagggtg 240
 gcagggttct tcaacttccct tctctctctg caacatgacc caagaagaan atgcactgag 300
 ctggagctcc ttanggttat tcatcgagga tcacctgatg agggatatag tctttactga 360
 cagtcgctac atctatcgct atttctatat aanggaattg aaggacaaag aatgcactga 420
 taatanaacn acggc 435

<210> 4172
 <211> 390
 <212> DNA
 <213> *Aspergillus niger*

<400> 4172
 ggtcattctg ttcgagcttc catcttccaa tttagccggt tttcattcaa ccttggtccc 60
 ctttgcacgc ccgatttccc cccaagggtg tgtaacagct gggggtatth cccgacttca 120
 ctccaagatc tttctttccc cctctccatc tttcatcaac ccccttctgt cccggtttgg 180
 tctctctact ggttattggt tactggaagg gtcaatcagt acgggtgatt gtatgaggta 240
 gattgattaa cactgggttg acggagtgtt gtagcgggg tttttgttg actttcgggt 300
 tctggtggag gatttgcgct tgcggcctcc tgttgttgct caagtctgac caagatagct 360
 agcaagcatt ctacaagttc cgaaaaaaaa 390

<210> 4173
 <211> 269
 <212> DNA
 <213> *Aspergillus niger*

<400> 4173
 ccactttttc tttccatctt cgagaaaaag aagacttttg tcttttgaca cccaaatcca 60
 gaagactctt ctacttcttt aaaaccagtc atcatgggta acqaccacgg ttqcaqctgc 120
 ggcgccctct gccagtgcc cgccggccag tgccagtgcc ccaaataaac ttatcgcttt 180
 aaagggccat atgaatagaa tcggaggacg acctgcttgt acctatctga tctagatctc 240
 atggagtagt aatagaagat gctacgctg 269

<210> 4174
 <211> 295
 <212> DNA
 <213> *Aspergillus niger*

<400> 4174
 tgattgtggg ccttggtgat taggttcac ttctggcttc cgtcgcagat gctctgtcga 60
 aggaacggga ctctactttt actttccatc tatctattct tqatgatgtt ttqatattgt 120
 tgggtgtgat atataccaat catagagbca agccctgaag cccctactac ggtatggggg 180
 tgttgaagat aaacgattgt ttttctatct gatgaacaaa cacatactca ttattgatat 240
 cctcattaca acgttattat aacctgaaga aatatgaatg caactatctc ccaag 295

<210> 4175

<211> 299
 <212> DNA
 <213> Aspergillus niger

<400> 4175
 ctgcctgat aagtctagaa ctctagcgag gggctgtagc aaccgcattc gggacatggt 60
 gcgtttggat gttttcaata tccatcactc aacgcttcgc aaacatcctc cgacccagta 120
 gcgctccact ccaaatttaa tttccgcacc ggcactatcg cgtggatcat ctaagcggcg 180
 atcggcattt tcgtaaagca tgtctcttct gtacctgctt gtgactgctt ccgatgcgtt 240
 gacctccaag tacttttagcc ctccaaatca atttatcgct tacacctacg aaaaaaaaaa 299

<210> 4176
 <211> 606
 <212> DNA
 <213> Aspergillus niger

<400> 4176
 ctgctcagtc cgatcgtctt ttccgaaatt gaaaccttga atgaagattt gccgcccact 60
 tctcgtcaaa actcgcacct tgatgaaacg aatagtataa tgagagaagc acgagaatta 120
 ccgtattttg actttctaga ctccgatcct gtttcccttc aagttggtca aacgggacgt 180
 tcgttttagga tccatcgaac gctgcttcac tcaaagtcct caccattgat tgcagccttg 240
 gacagtaatc tcaaggaagg ccagagcggc gtgtatgtat ttgaagacgt ggcagagggg 300
 acaattgcgc gattttattga atgggcatac cgaggcgatt atcccgccac aatcagcgga 360
 accaacattg gacagactcc aattttgctg gaaggcacgg agacggatat tgacgagaag 420
 cctgaaaaca caactcctga aaccgactcg acgtcagaga accaccccct tcttgccata 480
 tccgtctata catattctct gagacttacc ttggtcccga tcttcaacag ctggccttatg 540
 aaaagttgac tgctttgctta acggacttgg acaaaccgac agtctcgaca cttcaacttc 600
 gcagta 606

<210> 4177
 <211> 533
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(533)
 <223> n = A,T,C or G

<400> 4177
 ctgatgtgac tcccatcact cggaacgaat ggaacatgct ccgtacggac tttcctttgg 60
 gcaagaccac tgttaccaag tggacaccat cactactgt tatggctgct gcgtgaacag 120
 catcattgat tgcttgacac catgtcaggc aaatactatq ccaccaacac caccqacacc 180
 ttcagcacta ccatgatcat tgctcatgac aatggangct cgaagcccga nccatctgcg 240
 catcggagca ntctgaagaa gtatncggga atctaaaggg accgttctcg gactggcagg 300
 aacactccac cgttgagcgg aatcccgcga acaagcatgg ctggctgagt ggagctatcc 360
 gagcgatgac ngcaaaccgg ccaactangc gcagggaaca cgcaaaaggc gggtaggattc 420
 cgggagagaa gaaaccactg cgagcacaac atattcngaa gttgatgctc accgcaaacc 480
 gtntatcttc ccgancgatc tgangaatgn tgacataagg tgaacngaatt tgc 533

<210> 4178
 <211> 284
 <212> DNA
 <213> Aspergillus niger

<400> 4178
 attctcgtga cgtgcgaag ctcgagatga ttttttccaa gttcttcctt gcttcccccc 60
 atcttttatt ttatcattat tatttatctc ccttgacagc ttgatgtctt ttgtgtattc 120
 cgtgtttcat gtcaaatatt ccaagggcgc tgtaattggga aaaaggggat atgtttcgg 180
 agtgggaaag ttattattat ttccatgatt tttttttctt tcattttacc ctttttgttt 240

ctgtactctt gtgtcttctc ttaatattaa cgggtctgta cgag

284

<210> 4179

<211> 639

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(639)

<223> n = A,T,C or G

<400> 4179

tttcccttaa	attggggttc	gatatctcca	tccaaatcca	actgggaact	aagctttggt	60
ataaaagaaa	caaagggcgg	gnatacgtcg	ctgactctcg	tcccttcaca	atcctctaaa	120
tccaaactaa	tctttcaaga	tcagcacttc	tctacgaagc	aggaaatcca	caaaaagaaa	180
gaaagaaaga	aacaaaaatg	tcccacagcc	acaacaacta	ccacccagtc	gctcaagca	240
agacaaagtc	cctaccatac	acacaatcca	agcccatgaa	acgctcgact	tctactctc	300
ccaccaaga	gagtgcagaa	gagtacaagc	aacacgtcaa	gaaagacagc	gcgagcaagc	360
acagtagcct	gtggcaacga	ccataaagtg	aaagccgcgc	tgacggagct	tctcaacgac	420
gacggagtga	aatgcaatgc	gcgcggnagc	aagtcggtgc	agaacttgct	gatggatacn	480
gagaaagnc	tgaaggaagc	agcgcaagga	gtcgctttcn	ggacgggctt	cgattttggt	540
ggcgaagtga	agtgatttcn	gtgttgatgt	gagatntaat	cnaatttgac	tggttgacga	600
catgatgaag	ttgnaatggg	gggtttgctt	tgattgtcgc			639

<210> 4180

<211> 545

<212> DNA

<213> *Aspergillus niger*

<400> 4180

ttggtctcgc	ctggaggagg	aaggagacag	agagcttaca	ttgggttgca	attgatcgac	60
aactagcccc	ggctggccga	cttatataca	atcgtcacct	aggtggattt	acctttttct	120
gttgcagggc	atttccttcg	cgtttcttgc	gcactggctg	cgatatcacc	ctttcgacgg	180
tacacaaaaa	gactaatccg	gggttttgctg	gctgcataat	ccctgcaggc	gacaggttct	240
ggacggtttt	actttttctc	ccaacgaatc	gtgacgtgac	tggactatat	taccgcggga	300
tctgcgttta	gatacttctc	tgcgacatat	ttctttttcc	tttccctccc	cactgtgatg	360
gctgtcggtt	ttggcgcaac	ttttacctca	acatcgactg	gtgtcgcaac	ggtggtttca	420
aagggtgtct	ggtcgacgga	aatggaggtc	actacagagc	agggaggaaa	gttaactgaa	480
cataacacta	cgatccccc	gcaaatagat	aatcaaatac	aagaagcccc	gggcaaaaaa	540
aaaaa						545

<210> 4181

<211> 611

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(611)

<223> n = A,T,C or G

<400> 4181

cactgatcgt	ttaagattgc	cttggtttctg	tcgagttgct	ttctctcgtc	atatattggt	60
cttttccctt	tqaaaqttat	actqattaat	tcagctttga	cqccqttqtc	tcccqacccc	120
aagcctgcgg	gcataattct	ctttcaaggc	ccctttccct	ctttgcgtct	ttgcctccct	180
aagtcttgct	cgttttggtc	gtatatacta	tctaattgct	tgattgcccc	aaagctgttg	240
aagtgcgtca	aggtgtttct	caacgactac	gtgaaatcat	atcctttgag	ctcggtcgca	300
agcgcaatt	agatggatcg	cgggtgtctt	gatattgctt	gacatactgg	caaggcccg	360
agagctttat	aactcacatc	atcttactgc	agactagttg	qcttagtctc	tqtattcacc	420

agactttaca	ccttgtttgt	atgcagtgat	tcgaacactg	gccgtgcagc	actcaagacg	480
cttcttcaat	ctactgagtt	cgagcaaagc	cctcgataga	tactgggttt	tcgatctcta	540
agcatttgag	acgagtggag	ntataccgtc	ataactgtca	tctgcaattt	gccaacggtt	600
ccgaatggtg	c					611

<210> 4182

<211> 464

<212> DNA

<213> *Aspergillus niger*

<400> 4182

cgtgcagtgg	ggggccggtt	tgtttgccgg	agaatgtacc	tgtgaacggt	cggcaactga	60
gaaccacccg	gtgacgggag	cagcctgccc	atgtggcaag	aggtcttcca	cttcttgcac	120
ctgtgagaag	gccagcgcta	ttgacgctgc	tgttggctct	gagactgact	tcaccactcg	180
ggcttaaaat	ccactcctgc	acctttgtgt	ggaaaattgat	gatcaaattg	ttcttggccg	240
ttactggatt	gcattgttcc	tggagtgcac	ggtgttccat	acggagtttt	cgggaggtct	300
agattgacgg	gcttcatggg	tgcgtgggtg	tttgattctg	ggttattgtg	cattgccatg	360
ggctatctct	aagggggaag	gagagattac	gtagtattag	tgacgaagag	tcgaattgta	420
tcttagaatt	atacctaatt	cgacgactgt	ctgaaaaaaaa	aaaa		464

<210> 4183

<211> 330

<212> DNA

<213> *Aspergillus niger*

<400> 4183

aacaaaacgc	ttttttctct	gtgataaggc	atggtggttg	ttgtttcttt	tcagcgggtga	60
gggtttgcga	acaaaacttg	acatatccca	tttcccattt	cgttttttcc	ttttaacatc	120
tgtattacct	acctatatct	ggacgggtctt	cttgccttgc	gagaggttct	ctggctatct	180
ttggtgtgtc	cacagtctct	tctctctctt	tctcagggca	tttgccttct	ttgacatatg	240
agcgacattc	tgtactatag	aatgaattga	acaaatggtg	gtgggagagg	gacttgtatc	300
tagcggagat	agtctaattg	actcgtggct				330

<210> 4184

<211> 474

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(474)

<223> n = A,T,C or G

<400> 4184

ccgtgatctc	aaccatgacg	agaaccgagc	gtgtccgact	ccccgatgga	tcaccccaaa	60
agaagacagt	ctggacaaaag	agattctcag	atggtcgtga	agagagcaac	gagacgacgg	120
aagtactgaa	ccctccgcct	ggacagaaca	gtacaggaga	ctcttcatct	gccaatcaaa	180
aggaatccgg	ctggttcttg	agagattaga	ctgtttgtca	gtctttgatt	tgctatcggt	240
tcactctctt	ttctttttct	atttttccaa	ctatacctat	gtgatctcaa	ggatctactt	300
atcgttctgc	tcaatttagc	ctgattatca	ctgctggcgt	tgtttttcaa	aagcattcat	360
gttccttgcg	acactcacat	tctgctttac	gatttcttat	catatgncta	tatcttaatt	420
atgctgatnc	aatctactat	ggcttncatc	tttctttttc	gatgagaaaa	aaaa	474

<210> 4185

<211> 497

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(497)

<223> n = A,T,C or G

<400> 4185

ggtgcttagg	gctggccctt	cagagggaca	cgctcggag	aagaaacatc	tcagcccccg	60
tccaccggac	gaagatttcc	tagcagcatg	gaagacattt	tgccctccag	aaaccgatgc	120
gcggatctcc	actgatgccg	gacgttatct	ctgcgagttc	atcctgtaca	ccagcttggc	180
actggcatac	caggcgggtg	aggatcgcaa	tgtcaccttc	ttccatgttc	ccgcgtcatg	240
cttggatgag	gatatagaga	cgggcaagga	ggttgccgcg	cgtaaatcaa	ggctcttggtg	300
actagctgga	gtgagcagca	gcacagcggt	ccctagttct	gaatgacttt	ttcaatcttc	360
tcggagttgt	gacattgcat	gtccaacaag	ttttggttat	cggtggncct	atctgagtac	420
tatatTTTTT	tngcaatatt	ttgcattagt	gaatacatat	gggcgcctga	tgggtattga	480
anccatcana	aaaaaaa					497

<210> 4186

<211> 396

<212> DNA

<213> *Aspergillus niger*

<400> 4186

gccggaacac	cggagctgaa	tccagcttgg	tgataatgtc	tggatgctcc	cgtgcttctg	60
gtcctggaat	tgcaagacga	cgcacggggg	gacggcctgg	aagaccgctt	tgggttcgga	120
attcaactgt	tcattgtccac	cattcgcttc	ttgttatgta	cttttgcccta	cgctataacct	180
tggtcccgct	cgaatttcctt	ttccccgttg	tggcctggta	ctcctacttt	tattcgctct	240
cggtaacact	attatttttt	tttgccctct	ttacaccatt	ttagttagat	cacccacccc	300
tgaccatctt	tttattttct	ggacgttttt	cttgttcttc	tgctgtttct	gtgcgctagt	360
tgcaatctga	agtgtttattg	aagagcgaaa	aaaaaa			396

<210> 4187

<211> 633

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(633)

<223> n = A,T,C or G

<400> 4187

gtcaagacat	agactcttcc	catgaacaaa	gactcagaag	gtcgtcaa	tcataccgat	60
aaccagaagt	tcgagccctc	catccccatc	tcatagtcca	tttcacggtc	cttccccaat	120
cttcaagaac	tcctatagcag	agctcaaggt	atcatcaaga	tcgcgacaat	tgcgcttctc	180
catgtctttc	tcaacacgtc	tcattgaactc	cttgaccatt	tcgcgaatac	tcgtgaaattg	240
tggtgactta	ggaccgaatg	tagtgtatgc	gttgccgaga	ttcgtcatca	tctaaactgc	300
gttagagggg	cagacacggt	atggctgtat	gtgcgtgact	tgaagactta	cctggatgta	360
gatttcttta	tagtcgggtac	gaggggtctgt	cattttggag	atatgggtat	ggaaggtgct	420
actggagcaa	aatcaagaga	ttttatgggtg	gtgggtgcgc	cccttttgat	tccccgcggt	480
tgtcggatct	gataagcaga	ggagaaaagt	gggccaaagg	tttaggcgtc	agtcgtcaac	540
gtcacacaaa	aagcgggtcta	tcgatgtgtg	acatgggcan	atttgcntat	agtttgaatg	600
ccntgaatat	gcntgtctct	gantggggaa	aaa			633

<210> 4188

<211> 286

<212> DNA

<213> *Aspergillus niger*

<400> 4188

gataaattca	acatgatacc	actttttcat	ataccttggg	agggttgttt	cggcgttttc	60
gggagcgaaa	gtcttcaaca	ctacctctc	cgggcttagg	accgatagga	acttcgagtc	120
ttatctgcgg	gggatgcgtg	ccatccggcg	tqgtqgtqcg	tqtcctgac	gcactggggg	180

tcgaatgatg	gctccgatag	gagtgatata	gatggcttga	gagtgcacac	tcgccatact	240
gctaatactaa	acattagcac	atagattaat	gaatgcatat	gcatgg		286

<210> 4189

<211> 355

<212> DNA

<213> *Aspergillus niger*

<400> 4189

ggcgaacgtc	attgggaaag	agaccccaat	tggggctaca	atacggatcg	gcgtgcacac	60
aataatggtg	actcggccta	ccaacctgtg	agaagagact	attcgcgaga	aaacctgtca	120
agacgaagga	gccgtagtc	cggctccagg	gaaggtggtc	gtgatgcagc	taggaaattc	180
catcgcagat	gagttggatt	cgctgtgtct	accacgaccc	tgcaatcgct	actaatgctg	240
cgatattttg	tcattgactg	gtcgcagaa	aagcacaccg	caggtcattg	aaatagagac	300
atgtgggctt	agaattagta	gcacacataa	taatcaacta	tttggcatca	aatct	355

<210> 4190

<211> 922

<212> DNA

<213> *Aspergillus niger*

<400> 4190

gaaacgggtca	ccgtgcctga	ccaggggccaa	tcgcaaccag	tcaacgaggt	cacccccatc	60
gtgagcaact	ctgacacatc	ccggcgcaac	tatcattcga	ccgacgggtct	acggaacagg	120
gactcaggat	caacaaacaa	caacacgggtc	tcacggggatc	ccggtcagca	gaactccag	180
tgtgattcgg	aagaaccgcg	cggctcgtgg	tatagccggc	tggcggagaa	atatggaagt	240
ttggaattag	agaataaagg	cagcgtggcc	cgggaccatc	ttgctttgga	acgaaccttt	300
ctggcatggc	tgcggacatc	gctagccttt	gcgtcgattg	gcattgcggg	aacccaatta	360
ttccgtctga	atagtgcctg	gtccaacgca	aacagcgcca	acatgtcggc	tcatatgtct	420
ccccctttgt	catccgctgc	gtatgatccc	actatagggg	taacatctgc	ctcatcacgg	480
cttcggagca	tcggtaagcc	gttagggact	actttcawtg	gagttgcaat	tttgatccta	540
ctgggttgat	ttcatcgcta	ctttgagagt	cagtattgga	taatccgggg	caagtttcca	600
gctagtcgtg	gtagtgttgc	tttgacagca	tttgtgctg	ctgctttgat	tgttactgct	660
tttgtttgta	tccttgctat	ttcgcccggc	gcggtcgaag	tgtaagggat	gggttcggga	720
gaagcaaggg	gttccacgtg	ttctataccg	tttttcttga	tggttttgta	tgtattgaag	780
cgagcgaaac	aaggtgtttg	gagatgttgt	gttgcttata	ggtacatagc	agtaattagg	840
tgatgaccat	gaatggtcaa	gatgaacaaa	agagctactc	cactatagca	atccaaatac	900
cttaccatgg	tcaaaaaaaaa	aa				922

<210> 4191

<211> 626

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(626)

<223> n = A,T,C or G

<400> 4191

aagagcgcca	ttgagaaggt	cgctaaggag	tccaagggtcg	atcctcgctt	cattctggcc	60
gtggtttctg	aggaatccaa	gggtgtgtgc	cgggtcccca	ctaccgcca	cgggtgtgggc	120
aaccttgccc	tcattgcagag	tcaccagggt	acgggtactt	ggcgtggaaa	gagcacctgc	180
tctgactcgg	agattgtcca	gatgatccgc	gatggagcta	tcggaacttc	cgcagtggtg	240
gtgatggcct	cgcttctctc	ctggacctgg	cgggtcggac	tgggtgttga	gcctactacc	300
gtgcgcncag	actgtacaac	tcctggcataa	actcccttaa	gtccacacca	acctggacct	360
tgcttccggc	gccacttctt	gctacgctct	gatatcgcca	accgnnttac	tggctggacg	420
acggttactc	aagtgntcta	actggnaagc	ttttcattcc	acgcataatg	gattgaaagg	480
atgctttcca	ncgtggcata	agcatgcttg	acacttggaa	tgngattttt	nccttnatcc	540
ttctttctct	tgaattgatg	cataaagaa	ccaacgtnnt	aggcagatgt	tgccccaat	600

nnaagtttcc tgctttntgn tctgga

626

<210> 4192

<211> 200

<212> DNA

<213> *Aspergillus niger*

<400> 4192

cttttttttt	tttttttgaa	catctgattc	atccatcaat	tcagagctaa	ttttctggaa	60
aatgctaact	ccgatccatc	cagccctttt	aacttaacaa	cacaacgtaa	ctattcgctt	120
ttgtgtgtat	gatttcttta	cttgccgata	gcacgctggt	agaaagccag	ctcctcaccc	180
tccaggatgt	atccgtccac					200

<210> 4193

<211> 386

<212> DNA

<213> *Aspergillus niger*

<400> 4193

gccgaagatg	tcggtgagaa	gctaggacag	agcggcatgc	tgagcctgga	agaaggcatt	60
gttgacgcga	ccacagagga	aggaaggaag	aagttggaag	aaattgaggc	agagaataag	120
agggaaagag	aggaacagga	agtaggtgaa	ccgggaggtg	atatcaccga	gcttgattga	180
ggtatgaaaa	ctagtaaatg	atgttttgga	tggtggaaat	attgtgttcg	tcaacagcga	240
ctgttttaat	ggttgatttg	gatgaattca	gattgtccat	attgcatcta	agccccgacc	300
tccgagtagg	agggttacaa	tgtgtgaata	catgctccaa	gtaaaatgta	cttttagcga	360
ataccaactc	ttctgatgtt	ttgcat				386

<210> 4194

<211> 449

<212> DNA

<213> *Aspergillus niger*

<400> 4194

caacgttgac	gatagtggca	tgcgatctg	cgcgatatag	gaaggtacca	tgtgatgaga	60
agcgttttat	gatttgagcc	ggcgaaaggc	gtgcggatta	ccatgtcaat	tggcatggac	120
cacgaatgat	tactgtacat	taagccgagg	aggacttgct	atttctagt	cttgacatgt	180
tgtgtgtttc	tttctctctc	ttttttcccc	cttttcaactg	gtcggtatcc	ttctggcgcg	240
gcgttggaag	gagcgagcga	taaaaaaaga	gggtttatct	gctgagtcgc	cctgggagca	300
aggctctctc	gggggtgatt	tgaagagtga	gaactgccac	ggcctgaaga	agaatagggc	360
tgagggtaac	tggatgtatc	ccatgactgg	tctgaagcac	catctagtct	agctttaata	420
caccaatatt	catctgtaaa	aaaaaaaaaa				449

<210> 4195

<211> 431

<212> DNA

<213> *Aspergillus niger*

<400> 4195

aagaagacga	ggaggccgcc	ggcgttaccg	aaacgtcgta	cgaactctat	agccgacgcg	60
attaagcgtc	gccctttgta	ctatgctttg	cgtgcctttt	cagccttaac	agcgctctga	120
cacgttccac	ccggccggtg	ttcgctcgtg	ccgtggaata	gccgctcagt	tgtgttttat	180
ctcatccgct	cagggaggtg	tatttgattt	ctgggggtgca	tgtacggagt	ttcgggtatg	240
gattaacaga	agtgcctcac	ttgaagcaca	tgaaggcttg	tacatgtttt	tggcaagatt	300
ctttgatctg	tgcgaggaac	cctgctaggc	agcgcgctcg	ccttgatatc	gtctttcttg	360
gatgtccgga	tttaccttcc	tcttttcttt	ctttgacctt	ctcttcttga	acccacagtt	420
gttaactttcg	c					431

<210> 4196

<211> 552

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(552)

<223> n = A,T,C or G

<400> 4196

gaaaatggtg	tcagttccac	tcgacgcata	tctaccgggg	ccctcgatct	gcaggaagga	60
gaagtcgcac	aggttcagtt	cggtgaggat	gatacagtcg	tagtcttggtg	gtcgaacaat	120
aaaggaacct	tttaccttct	cagccttcct	ttccagcctg	caacgacaat	gagacctggc	180
acgcttaccc	agtcacatggc	gctttgtccc	gtggaatata	atgatagcct	gcaggagcct	240
acatcgcccc	acccagttac	aaccgcaaca	acggccgtgg	atcttatgtc	tccagattca	300
tcatttgccg	gtcttatcaa	gcatactttc	attggaacca	aagtgaagn	caaagccaat	360
nagagttgnt	gtcaatggca	gacgcggtcg	cgggcaatct	gcgtactgta	tggcgatgct	420
atcgatata	gagtggttaga	cttagatggc	gaactggagg	atgaggatga	agaggaagac	480
gaggaagaca	tggaggaact	ggaggaatga	taatacaaga	acaagagacg	ttcatcagct	540
ctaaaaaaaa	aa					552

<210> 4197

<211> 355

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(355)

<223> n = A,T,C or G

<400> 4197

atggagggag	gaagttgccc	atcgacgtgg	gggaggaaac	ggggctcgcc	gtggttttctg	60
tcccggagaa	tcctgacctt	catgaacaag	aagcagcatt	aatggagccg	ctatcgagc	120
tcttaccac	tcacaggtg	caattcccgg	aaaataatct	tttgaactag	gaaggcaact	180
acgacgatga	cggtgctagc	attaatccgc	gtttgttacg	actttgctta	tgttatgata	240
ccatttatcc	ggagactatg	tggcaatgta	tacggcatga	angtgaactg	tatgtaataa	300
agcatgtata	taggtgatga	gactatctta	tatgattacc	gatcgtgaaa	aaaca	355

<210> 4198

<211> 287

<212> DNA

<213> Aspergillus niger

<400> 4198

atcgccatca	tcgttatcat	cgttaccatc	atcctgtaaa	gacagtatta	gtcctttgcc	60
gtcctcgccg	ccagtccctg	cattcctgtg	tcttcatagg	actctccgat	cgcacttggt	120
gagttcggat	tgggcacgta	ctcgtgacca	ggccgcaaga	gctcttacca	ctttactctc	180
atcgaccttt	ttatcattat	tcaactcacgt	ttaatgcgag	tcagggctgc	tcaacgtcgc	240
tccaaagccc	gggtgggagg	gcaactcgat	tcttcacga	gggttct		287

<210> 4199

<211> 399

<212> DNA

<213> Aspergillus niger

<400> 4199

aggaagtcca	agagcaaaag	tctcatggat	gctagggctg	acgctggaat	tgatgagggc	60
gaagacgata	ttctgggaag	tactgacact	cggattaagt	tcaccttcag	aggcctagaa	120
gatgaaattg	ggctgattgt	tgacattgtc	ggcgggcgag	tcaagagtga	tgaggagggc	180
aacctcgggg	ccggcgtcag	aaagtgggag	gaatggatcg	gtcaatgcct	ctgaaccgaa	240
tatttatgta	tgacttgggc	cattgacagt	gctactggcc	ccagaqatqg	gatgaaacga	300

tacaagacat	ttgttaaaaa	tacaaactca	tacatacaat	ccagacagtc	catacaagcc	360
ctatgcgccg	gcacgatcat	cacgagcaaa	aaaaaaaaa			399

<210> 4200
 <211> 623
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 4200						
gtcgggaggg	ccctcatctg	tgactacgga	agctttctgca	tctctgcata	ctaattggca	60
ggcgggatgtg	cgcgtctgtt	gagaaatgct	atcatgaatc	ggttggtgag	tgggggaqac	120
ttcccgatgg	cacattgagt	ggatagtccc	cctggagcat	ctcccagggt	tgacgctgcg	180
actcaaggct	tcagcaccag	tgactcgacc	atgcgtgcgg	aattcctcct	ttttcctgca	240
cttccccccc	acccggagat	aaggttgacg	ggtgtaacgt	ttagccccct	tgtcagcgcc	300
gcctcggtctg	tcacctcac	tagtaggact	tgccgcagga	ctccccacca	aactgggatg	360
ctacttcaaa	cagtgtgac	tgagagtttc	atgtcctctc	actcactgga	agatcgcgat	420
aggataccgc	aggctcatct	tctttttccc	ttgctgcgaa	tggtggagac	accagatcat	480
tcgtcccaaa	ggagcatgtg	ggccttactt	ttaacgaatc	caatgatcgt	caagttttta	540
gccccctag	cgcagctgcc	gaacagaaca	acagaaaagt	tgntctgctta	ttggtagaca	600
cggntcgtgg	cctcactccc	ggg				623

<210> 4201
 <211> 510
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(510)
 <223> n = A,T,C or G

<400> 4201						
gtttcacgaa	cctcaacaac	tttcgcttca	cctcttcaact	tcatcaaaga	cactcgctag	60
tctaccgata	acctccgcac	gatccacttc	ttcaatctac	aaccgagcac	tccgatctcg	120
attatacactc	gctagcaaga	tgcgttcttc	catcctcctc	gtcgttttct	cggctctggc	180
cgtgtctcag	tctctcggtt	ctgtgcccc	gggtcagccc	tccgctgctg	tcacctcttc	240
ccctgtgata	cccactcagg	gctctctgct	gctgggtgctt	cagcgtcctc	attggatcta	300
gcggtgttcc	ctcttcttcg	cgaagtcggc	cagcgcctct	gcttcaactc	accaagaact	360
caccaagacc	tcagcttcga	cttttcaact	caccagtgc	ttttcgtcca	aaacgggttc	420
agttccagtt	cagactnttt	ggcgtggtgg	cctntggtac	cgtggccgct	gnctttcgcg	480
ggntggtgtg	cctngccggt	tntgnaatga				510

<210> 4202
 <211> 289
 <212> DNA
 <213> *Aspergillus niger*

<400> 4202						
gtatagtaaa	ggccacacaa	aaatctcatt	gggatgattt	gggatcgggg	catttagggc	60
gaantactga	gtgatctcga	tttgggtttt	tattcttttt	ttttaacttt	ttttttctgt	120
ccatttttatg	tcaattcatg	ggcgctgcta	ctgcaactgg	aactgcaagt	ttgggggtgt	180
cggatgggat	gaagcgtaac	tacttttatt	actgctatac	ttagtatctt	ctacttctac	240
ttctcctatc	gcatgaaatg	tgattggaga	tactatttat	tgatctgct		289

<210> 4203

<211> 468
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

<400> 4203
 gcacgcacct cgatcggtga cgaccgtccg acgtacatga attttcattc atcggtctca 60
 cataacagaa atactctgtg ccgtttccta gctcccttac ctccctatc cttgcagatt 120
 gcttcttcag aaacatggaa ttaagtaggt tgcttataag actcacggag tagcttagct 180
 gtcactgaac cttggggcgc aagaagagga agaacaccta cggagaaaac cggcacggag 240
 attatgcaaa tcccttgtcg cgcggacctg cgagcatatc agctactaca gacaaccatg 300
 ccattgttga accataatct ccttatttgc cactatnnt acatcaagtn ttcagannac 360
 atgagagatt aattgcagcc cataccaagc tganacaggg aagggttga naaatctaat 420
 gctcggaac gttggggcaa gccacttga acttatccag ggtgtgtg 468

<210> 4204
 <211> 328
 <212> DNA
 <213> Aspergillus niger

<400> 4204
 gccggcatca ccagcagcca gggacaacaa agcgagtcac gcgtaataca tattgatttt 60
 tgtgtgtcgc gatggtgctt cttgatgagg tgacgcgacg aggaatgagc ttcaatattt 120
 tcaatggggg ttgtaagata aaccgtctcc gcactaatat gtggtggcct actctcattt 180
 tcttctcttc tttctccaac cgccattatt atattttact ctttctaat ttccgggagg 240
 tttctgaatg acctatttat ttgaatctct ctctttgttt gatgtcttaa acctaacgcg 300
 aatttacctc tgagaagggt tcgggatg 328

<210> 4205
 <211> 620
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = A,T,C or G

<400> 4205
 atagccttct gcttgatatt tcatcacctt catagtctag cattgaaatc acgatggcag 60
 ttatctacgg attgcccacg gtggcttcca cagtagcagc agcgtgtgcg ataattgcta 120
 tcattcttgg agcgtgtgct tgggtctcgta cagcttctact ttaccttccc ctctctgaat 180
 gggttccage catcgccacc atcttccctc ctcttacagc actggctctg taccttgcca 240
 gtcgactcgc ccagcctgca gatgaccgcc agtcgtctag ccttgggcga agactccttc 300
 ccgtcatgaa ccacctccaa tctatcataa ccacaatcat tgccaccgtg gccctcgctt 360
 acttgtacct agagagcacc acaacctgtc gactgggaaca cgaatggcag tcataacttc 420
 gcgcgaaaga cgtccaacct attcgcgcta ttcaggacga atttcgtgtg tgtggatttc 480
 ggagtatcca tgaccgagcg tggccgttca aggacaaaac caccggagat gatgcattgt 540
 aggtgcaagt ttaattacng gacaagctgt ctggtccctg ggagacagca gcagcagagt 600
 gcttcattga tggtttttgn 620

<210> 4206
 <211> 357
 <212> DNA
 <213> Aspergillus niger

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<400> 4206
cggaaaatga tgagtggcag acacacacga cccacgaact tgaatgcgca catgccgato 60
aatgacgata acccatgctt gggttacgaac ccccttgcac tgatgatcac gaattatgca 120
tatagacggc agatgaacca cagcatatccc tatcctactt ctagacattg ctagatagct 180
attattgatt tgggaagatt ctttcttttc ttttttctgg tcgggaagct gtactttgaa 240
tgtcaggacg ttcattgccat ttacattcac cgaccagtca tttttattac acttctgcct 300
actttctcta taaatatattc ttatatcttc ttccaataat atatacttat gcatact 357

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<210> 4207

<211> 607

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(607)

<223> n = A,T,C or G

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<400> 4207
aaatagtcag cctctcgatc caaagttcga cccagagtta atcaagttac aatccctgga 60
tacacttggg tcccttggtc ttccggttcca agcatcccat gggctcaaat ctgttcccat 120
cgtgatgcta cattaacttc tcgtggggcg cttgcacgcc atctcgcaat tacgtcctat 180
ggacttcaag tggagctttg tactagaggc atgcgtggtc gggctgtggc acctgagcct 240
gggggtgggg cgcatgtgta cggcatttct gcggacgatt gagcttgtct tgcaagctac 300
caaaccggac ccaaccctgg tgccgccaaag gtgaccgctg tgttgcggtt ccttaaaaag 360
caatcttttg acagcaaccc gatggtactt cttttgtccg ccgactatgt ggtgcatcat 420
gtcccgggtg ctgctgcagg acaatncggg gccgcanttt cgggccgaag gctagaacag 480
tgatccgttc atggacaatt cgccatnagc tatggggcgtt gaggacggat tntgccgttc 540
tgaatattna acgtttccga tcancgtana ctgaccgatt tgnaagtttt gaattcagaa 600
caactgg 607

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<210> 4208

<211> 300

<212> DNA

<213> *Aspergillus niger*

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<400> 4208
ggacatctct caggccaaga ttagctatgt acattagcgt caccattct catctttaac 60
tgttaccatt tgatgcaagg agtcagtcaa gctctccaat atgatcgaac ttagtatggg 120
gtttccattg aatgtcgagt cattctatgt tgcccgatag ggttgttcgc gaatagtgtt 180
ggcttagaag tacgttggaa gcataggctt atctctggaa agacacaaaag agttgggtga 240
gaactgttaa gctacttaat ccaaaatatg tatctccgaa gaaaaaaaaa aaataaaaaa 300

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<210> 4209

<211> 638

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(638)

<223> n = A,T,C or G

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<400> 4209
ccccggggga caacgaggat ggggggacaag aacgaagccc caggcggtga ttctggcgaa 60
aatgatatcg aaaatccgga gtgcgctggc gtgcgctcgg aagaagctgg cgtgctgtc 120
gaatcggtac acgcccccggt ccagtggacc gggcaaaatg ccgccgtcga atctgggtgc 180
agtcctccct gcagtgggaa gccacgcgcg cgaaataaga acgttgaccg ttagaagcat 240
gcaggagcat gctcattttg cccccctcct ttctctcatt tttatttcac cctattcttc 300
ttctatttca tgtcccagct cgtgtgggca ttgctagtgc angcaactgc attccaagct 360

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cgtaccttga	cacgcgtgcg	gggccagctt	cttcacatc	ttcttcttct	tccattctcc	420
atgccagttc	tctctggggt	ttgatatatg	cattgatgca	cgagtgtttt	aagtgtttcc	480
ttatatgggt	ttattataag	ggttgccgtg	atgtgctctg	tgtttaaatg	ttcccttggt	540
cctttccatt	ttcctacang	atacgcatgc	tttacaggcc	tggtgggcgg	gtgtttgcaa	600
ttggcgttca	agctggggac	cgggtacac	aaattgcn			638

<210> 4210
 <211> 382
 <212> DNA
 <213> Aspergillus niger

<400> 4210						
cgctgccaa	gttctccgtc	agaagcacgg	aaactaaatt	ttctttaate	attacatttt	60
ttaataaccc	atgattgggg	gcgacattct	caacctgtcg	tctcggggaa	gcggactcta	120
gcagttccct	tcccaagttt	ttttgatgag	tttacgatga	tgataccaaa	agttcaacat	180
atgggttagg	gtttcattag	atggggtcac	cgaggttttc	aacatattgat	aacgatttca	240
acatcgggtg	tgcctatata	catcgacgac	aagtgtttct	ttgcattttg	cgagttatgg	300
gggcggaatg	cggaacgtc	ggtgacgtct	gcaacgccga	gatcaataat	atttcaacaa	360
tgattgtgta	tatcaaaaaa	aa				382

<210> 4211
 <211> 313
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(313)
 <223> n = A,T,C or G

<400> 4211						
acaagccaaa	atctccctgg	tgccctggata	cttcgtcctg	ggacaagcca	agattcngga	60
ggggctcaaa	gggctaagca	ctcttcactg	catcctactt	tcccctgaac	ttcagtcctc	120
gaggtaactg	tgcatcgaga	ggacttgcaa	ataggaacgc	aagacgtccg	acattcagaa	180
aacaaccgat	cgcttgggga	acttgaagcc	ggaccaacta	tatgaaatgt	ttccttttgt	240
tatcctcaag	gactcctgat	ctatatatct	tgaatttcat	gtcttctctg	cctctcgaaa	300
aaaaaanaaa	gaa					313

<210> 4212
 <211> 437
 <212> DNA
 <213> Aspergillus niger

<400> 4212						
atcattttct	aagtgaagaa	ctacttcaaa	gctatcgata	tggaatctcg	tcagaagtat	60
ggccacctca	agcacgatcg	acgccggagc	tctctgcagc	agcaactcgc	ggaagaggaa	120
cgccaccgga	atcagatggc	tatcaactca	ctgttaggga	gctttggcgg	ttcagcaaac	180
gaccatccag	accgacgatc	cagtgggtgc	gggaatatgg	cgagcatgat	tgaggagttc	240
aataagcgga	aatcagtgtc	cccggatacc	aatgtcgaac	aaaaagagtg	atggaaccat	300
ctattttgtt	gggtgatgga	gcaggggcgg	tatgggtaat	ggagttaatga	ggcttacgac	360
tgctattctg	tgaaaacaac	acattatatg	gagttggata	aatccaagaa	ttctatgact	420
actactaaaa	aaaaaaa					437

<210> 4213
 <211> 414
 <212> DNA
 <213> Aspergillus niger

<400> 4213						
gcgcattccag	agcaagcagg	gtgctaaggg	ctctgcccc	aaggtcgctg	ccaagtcgcg	60

ttaaaacgga	ttagaggcgg	tactggctgt	tgggactggg	atgaaagtaa	aaggataaga	120
aatgacaaca	ctatgggggg	aatatgttat	ggacataggg	aatttgggag	gttattctaa	180
taaaaaagaa	acccccgagg	agcgtttttc	ttttgcctca	tcaaagattt	ctattctcca	240
aaaacatcaa	acgaatctcc	tttttttgcg	gcgtatgagc	gttgggtaag	gggataagat	300
atcctttttg	ctccttctcc	ggatatgaat	gagtttctta	ttcgttatta	cgccgtttct	360
ttccccctcc	ctgcttctcc	cccaagtggg	atgtcttact	tattactacc	caggaattgg	420
aaatggatgt	gatatgatta	cttc				444

<210> 4214

<211> 511

<212> DNA

<213> *Aspergillus niger*

<400> 4214

ctcgggactg	cgtecgagcc	attcaagatg	gcacgcacat	tatcctcgac	gcccttgacg	60
gugccaggaa	gaagatgata	gggggtgcgcy	gcgatacgag	gcacacagag	ctgaagttaa	120
aqattcgact	ggttggacgg	gtcagttccat	ataacaacaa	ttacagacag	accgatccct	180
ggatttagaa	cgaagggtcc	actgtctctc	tccaactttc	atttctcggt	tcgtctcggt	240
tcttttctat	gttcatgata	tccatttcgc	ttcatgggtcc	atgttatcca	attagcctgt	300
ctctattccc	ggtcactctc	tacgtctctat	aactctcgtc	ttgtcctgca	gctctagtca	360
ttaccgtgat	atcccgttgg	catttttcagg	gtctctgctt	ggcgttgggg	atacacctat	420
agatgcttat	ctatagctac	ttcacttttt	gatccattac	attgaggata	ctagcttata	480
atgacccaat	atcaaactct	accatctaca	a			511

<210> 4215

<211> 313

<212> DNA

<213> *Aspergillus niger*

<400> 4215

ggcaagcact	ggatagagtg	gacgaagaac	cggacaaaact	cgcgttttta	gaactctgca	60
tccaacccaa	tgatgtaact	gacgacctca	ggcggctcgg	tagaatgatg	gccgatcgga	120
gcgcgggaagc	gtcaagagaa	tctcagagtc	ccgacaccga	agaggtggat	gagtagagca	180
taggcatgga	tattgtgatg	gcagatctgg	gaggctttga	ctaggttgct	atgatctgct	240
tggtatgcga	tgagctcttt	acatgtctat	cgtataaatg	tattggagat	agaataaaga	300
tgttgtttgc	tac					313

<210> 4216

<211> 341

<212> DNA

<213> *Aspergillus niger*

<400> 4216

tcgccttcaa	gtatgtcttt	gcttcgaagt	cgctgacaac	ctctggggca	ctggcgcggc	60
taagtagtcc	cggattgacg	gccgcggtgc	cggtgctggt	gatgggtggtg	ttcggactgt	120
ttatgatgtg	atgtgatgat	atattttgat	gttgttttgc	tccatgatca	tttggcacat	180
acctaccata	cataccctta	cactctcctt	atacccatgt	tccgtttggc	tgtgatccaa	240
cgatgatctg	ttttgcaatg	aagttgcatg	tttaatgtcc	attggtgtta	tggttaatttg	300
gaactcatta	cataactata	tatcaaatca	atttcccaaa	t		341

<210> 4217

<211> 614

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(614)

<223> n = A,T,C or G

```

<400> 4217
cacactcaat gctcaaccga aaccttgaca gttgtgaga aacagtcgtc atcagatgtc      60
tcaagggatg ctgaaagctt ggactcgagc cacacgagac aacatgctag cgaagaggac      120
cttgaccacg agttgaccga tagctttgtg actcagatct acaattatct gtccctgggc      180
taccctcttg ttgctcgcta ctatgatcat gaactcagta tcatttctgg aatctctgta      240
gcagatctga gacgtgatga cttaaagaca gatgcgaagg gttacgtcag tgttatggat      300
gggggtccga cggatcggaa ggtagagaaa ggcctatgta tgcggtggat cgcactgcgc      360
ttatatatac aagagtgggc taggaaacgg cccaaggtgg ctgacgacgg tattcatgga      420
acatggggag tctgtgaacg aaagggcagc tgggccatct gatacagcta tattatgaat      480
gaaacggagt gtcctaaatc atggcatata gccagttgt gtatgaaatc aagatgcaag      540
atctgtgcat ggggaagttac tgnngtccta gactagatct ggctcaaatc tgctggccac      600
attgnaaaaa aaaa

```

```

<210> 4218
<211> 382
<212> DNA
<213> Aspergillus niger

```

```

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

```

```

<400> 4218
ggaacgtccg ctacgagctc ctcgagaagg cgactagcaa tggctctccc ggtgcgaacc      60
agatccagac tgagctcacc agccacaaga ctttcatgga taccctagga cgcacggcgc      120
tgactttgac cgtggaggag ttgactgatg agggccgtga ctgcagata gtggctcactt      180
acgactactc tctgtgggat ggattgcgca agcccgtag catcacggcg gggctgttca      240
ccgtgtttgt tgcgcgctgg gcgattggaa atattgacgt gagtattaag aagcggtaga      300
tggaggttgn atcatattgg ttcagttatc cagccagaca gacagacaga attcaatagt      360
agctgttgta gaaaaaaaaa aa

```

```

<210> 4219
<211> 345
<212> DNA
<213> Aspergillus niger

```

```

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

```

```

<400> 4219
cgaagcaaga caaagagnca agctccgctc aagtacggat actaagatac ctnagtttgc      60
gcggctgggt tgcttttgtt ttgtgatggg gatggggatg ggatcgcgaa acggttctct      120
gcgaagaaaa tggacagcaa gccgatcgac ctttctctca ctgtccctac cttttcatga      180
aataaccaca ttcttacgtt gtgacgcaca tggaggtctg agagatcgat tctttctaaa      240
aaaaaaatac aggagtcact tgggatgaaa ggggtgttcaa aatagctgac ccgttatttc      300
gcgcgctygc ggtttaatcc aagaatttct ttcaaaaaaa aaaaa

```

```

<210> 4220
<211> 352
<212> DNA
<213> Aspergillus niger

```

```

<400> 4220
atcgagacgt tgcttcttag cttcatacgc gttcaattaa cttcacttct ctgacagaga      60
caaacacaca tcccaaatct atcaaaatgg ccggtgctca ccaagcttgc ccttcctgag      120
gcgctgccat ccttggcgag actaagactt gtggatcttg cggaagacc tgccctgttt      180
aaactcgctt cgtttcgatt cggagatgat atctggcgtt tgggggttqt qtqcqcqagg      240

```


atgtgataag taggcgaagg gaggggatgt gattatataa cgtgttgatg agtgaatgacs	300
acsatgatga tgaatataaa tgaaatgatc gaatgagagt gtaaaaaaaaa aa	352

<210> 4221

<211> 357

<212> DNA

<213> *Aspergillus niger*

<400> 4221

caacgggttc ttttgaccac caagtgcccg ggctgtgcaa acgtcacagg ggggtggtgca	60
attgccttcg taatgtcttg ccacgtcatc actgctgac caaggggccg tgcgttcaaa	120
gtatccatag tccatgtctg ctgacgcgtc gtctatgcgc gtccatttgc tgtaaagtgc	180
gtttcactta gagggtgatt cgacgatcgt ccggccggtg agcaactttg agtaatccag	240
tgggcccgat caaccagcac acaatagcca gctgagcgtg ttcgttgtac cggccagtac	300
caagcagtcg accttaatcg cacatccga acgacgcgtg gtttttaaaa aaaaaa	357

<210> 4222

<211> 301

<212> DNA

<213> *Aspergillus niger*

<400> 4222

gaagggtctc cttctctata aaccgactgc tttctttctg ttttatcttt acgaattccc	60
ttgcgactac cgtgaatgac tgaaatttcg actctgctt cgttcggccg gccgggtttt	120
ggatgaagaa ttattgactc gcttttccta cattttcttc tcattgctat taccgagatc	180
gctttgcttg ttacacatac ccggcgccga tgaaattctt macctgatac caacgctgta	240
ttccagtcta catagctctt cagtgggttac gttacgaaga attcatacag actttggctt	300
c	301

<210> 4223

<211> 409

<212> DNA

<213> *Aspergillus niger*

<400> 4223

ctacgttaag accgatatac tagcttacia tgacatgtaa tgccaaacag tccaattcac	60
acttactttt accctcatat ctggatgtcc tctactatc ctacatctac accctcaagt	120
tttgatttct ataccatctt gcaactgatat catgtggagt tcgtcgggta tattttcaag	180
tgtgattgca ggtcagtcac cgggatcata tcatgttgtt tgttcgctc ctgtctctac	240
ttcgtctagt gttatcgccg ttcccttccc ccaccttctc ttattcacc ccattacgct	300
aaaatccttt gaggtcagca ccaatatatg ttgttggtga atgactgttt catattaagg	360
tctttagatt atatagtaga agcctatatt ctggggttt catgcaagc	409

<210> 4224

<211> 296

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1) ... (296)

<223> n = A,T,C or G

<400> 4224

tcccgataaa atttgctttt ggttcacaac ttgggncaaa tactctctct ctactgtata	60
tctcactcct cggacagacg gttacacgag actttgcttg cgggatggga gcaatggaat	120
caggagatga tgcaattctt agaggactgt gcgcaggcca gtccggcggt ggccaaggat	180
ttggagttgt tgcggttact ctaattgtaa taagtatgtg tgtggatggt ctccatgtat	240
gtatgtatgt gtggatgaat gaattcagca aacaacattc gactcaatat gccatg	296

<210> 4225
 <211> 396
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 4225
 cgcgtatcac tctatagtct ttctttacat gtacctcaca tctacgtacc tccaatcage 60
 tctttttctag aaatgactgc cccacacccc aagtcggcgc tcgcgatgat gccgacgccc 120
 aatatccctg cgtccgaggc tgtcggccac tgccagagtg tcgcaataat cgatgctcca 180
 ctgcaagagg tctgggatac tttaatggac acctctacct ggccatcatg gaacagattc 240
 gtccctgcgc tgactatccg agagcagccc ggatccgatg ggggagatct ctcccggtcc 300
 tncaggetgg gacgaagatg acttatcacg tgaacatgaa gcgacagctc gtccagccac 360
 agcgcgcaca ggccaacaat gatactcatt ggtcgt 396

<210> 4226
 <211> 360
 <212> DNA
 <213> *Aspergillus niger*

<400> 4226
 ttttactttc gctgcagaga gttgtctgct gacaccgaac cttgcagaac ccatgcaata 60
 attaacataa cattgcatac atacaagact ctatttcgcc gtgctataga tctgggctga 120
 cgcgctgcgc aggtatgtca tctggcagca gaagcttggt tgtcattgct tttggactgt 180
 gatgctgtga ttggatattg tgcgtatggg tgcagaggac acggtcttta cagactttgc 240
 tgggaggagg ggtctattca atccattcaa ctgtagaact ctccaggcat atgtcgcact 300
 gcaaagccct attctgacag catccatgaa tatcacatgc gttcgttcaa aaaaaaaaaa 360

<210> 4227
 <211> 136
 <212> DNA
 <213> *Aspergillus niger*

<400> 4227
 gtgacggagt gacttggtct tctctcttct caatactagg cagcgacttg ttgtcactct 60
 ttttctcctt tcacatcccc gtataaaata aaactcacta atttttttta gaatcaaaat 120
 taattattag caattc 136

<210> 4228
 <211> 433
 <212> DNA
 <213> *Aspergillus niger*

<400> 4228
 tgctccctcg acacagcgaa ttgcgagcac tacacgtggt tctatgactg ggtgttgaat 60
 acagggttgc cggatgattt gagtgcacat gtgatggagt atacatggca tattattttt 120
 ggaaaggatc cgggtctactg ccccgacgcc tatcagtgt accaggatgt ctacggcaat 180
 ccttattttct ggtgattccg tctgtaaaga ataccctct tgcggctttt attttatttt 240
 ctacattgta atctttttat ttcgatttcg atttggtcc ggatctgacg actcactgac 300
 gtaacttttg ttgcttctgc tatgctatgc tttttttgga tctcgagggt ttagcctgta 360
 catgattggg aatttttggtt gaaaaagtcg tcaagttgag caatatatat tawgtggaat 420
 tateattctc ttt 433

<210> 4229
 <211> 573
 <212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(573)

<223> n = A,T,C or G

<400> 4229

cttcaactgg	ttcaagtctt	ccaaggagga	atcctccgct	accagcagc	cctcctggga	60
cgccaacacc	atgaccatgc	agcagccttc	tagccccgag	gctccttcca	ctgagcgcgt	120
tgttacgcag	cagcctaact	cccaggaaga	aatgaagatg	ggcctgcgtg	gtgggtggg	180
cggatgatgt	tgtgcgggag	tttgccgcgg	tctcctttgc	ttcgagtgc	gcgaagagt	240
ctgctaaaca	ccttcccttc	cctctcatac	atacgttcga	ctactgtctc	cgtatcttga	300
cgaacaacaa	agataaaaaga	agaataccct	cttaaagaaa	acggacatgt	gccatctacg	360
agacgagcta	tgaaatgtgg	accgggatga	agtggattag	atttttgggt	cgatgattcc	420
atggatggaa	tgatggatgg	tggttcagtt	gattttggat	ttgcttggg	agatcgatta	480
taccgggtgt	atttatccca	tctacgattt	ctctaatttc	gcttgggtgt	ttgaatgaat	540
tgagttaaga	tgaatgcnta	aaaaaaaaaa	aaa			573

<210> 4230

<211> 458

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(458)

<223> n = A,T,C or G

<400> 4230

nnagtactgg	tcnattctct	canctttgtc	tctatatattg	cggtttgaga	ttcccggctt	60
atatgttggt	gttcttccct	gatgactttt	gtgtttcttt	accctaacg	agtttccctgt	120
taccttacga	ttaattcaac	ccctgacgac	gcacgtcccg	accctaatat	cgagacattc	180
tcctgttggt	gaaggaattg	gaatcctaca	cgagcgggtga	aaaatgttcg	cgatccaagg	240
agacatagcc	gggtcaaagg	ggaacttact	ctattgtcga	actgattaat	gtattactat	300
accacctgcg	aggaggatgg	ggacagagag	aaggggagag	aaggagagag	agagtatcta	360
taattgatgc	attccttgag	ttcgtctcgt	gctcgtgggt	tgaatccgtg	tgttttggga	420
taagagtang	tacttaattg	acttgtaatt	anctgtgc			458

<210> 4231

<211> 404

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(404)

<223> n = A,T,C or G

<400> 4231

gaacgaatac	aacgggttct	tttgaccacc	aagtgcocgg	gtaacaccat	tcattgagtt	60
gactacagag	aactatctaa	ccatgggttc	tcocccccc	ctttatacct	ttcagttctg	120
actatctaa	gctgtgcaaa	cgtcacaggg	gggtgggtgaa	ttgcttctgt	aatgtcttgc	180
cacgtcatca	ctgctgatcc	aagggggcgt	gcgttcaaa	tatccatagt	ccatgtctgc	240
tgagcgcgtg	tctatgcggg	tccattttgt	gtaaaatgtg	tttcaacttag	agtggattcc	300
gacgatcgtn	cggcggttga	gcaactttga	gtaatccagt	gggcccgate	aaccagacaa	360
caatagccag	ctgagcgtgt	cgaaaaaaaa	annttatattt	tctt		404

<210> 4232

<211> 624

<212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

```
<400> 4232
tgagagtctc tcagagttgt ctgagcgatt ctcatttacc tatcaaccca gcatttactg      60
aaagcgccat tggcgcccat atgacaggaa gggagtggtg agccattgca ggacgtgcca      120
cttggtcata gtagtcaccc atgcctctaa agtcataagg gaccgaacag tgcaaccctt      180
gcgaatttcc actgtacagt tagttctttt gaagcggtgc tctacggagt attcagcggg      240
catcacggcg aattcggagt tggatgattt cgggggttgc ttttctttcg tctttctatt      300
atctttgggt tgatctacta cacgctgata atcccccaa aagccctcat gcaggttttc      360
actactgtag ttgcgggtac agtctcggtg accatattgc taccagagca gtgggggatct      420
ttctggacat ggcgttttgt ttttctgttt tcttgactgc ttctacctan ctacctancc      480
actaacgact taagacgggc tgggataatg tgaenttttg accttgcgcc cgttccataa      540
tgtacactgg gtttggttaat aataatccta agcagcaaac tgttattaat cctgaaangg      600
atgacctaat ttgattcggg cgcc                                     624
```

<210> 4233
 <211> 644
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(644)
 <223> n = A,T,C or G

```
<400> 4233
gcctgttata tcccgactaa tctcgatcgt cttccgcgtc gcgcaaattg tttgcgggtgc      60
ggtcgtcgcc ggtatcattg gtcactacct tgcccaatac ancggtgacg catggcctga      120
agcccgctgg atntacaccg aagtcgtcgc cgggttatca atcctccttg gnetgatatg      180
gntcanacca ntttctctcg gattttttct cttggccantt gacgtcatca nctcccttgc      240
atggnttgcc gcaatcggtg tctttgtcaa cgccaatcac aagttgaact gcggnantat      300
ctggcactgg ggtgggtctcc aacgcaacaa tacttgcaat cnetgggaag gccctgaaag      360
cgttcaacct caactccggt aatgtcctgg cnttgctccg gcgccttggt ggtccttttg      420
gtcactttcc gtgttaagga aggaaagaac tggcccttaa ctaatggtcg cctcgcttct      480
tcgggtcgctc cgccgtgtaa acattgaaaa caattcncaa gtttaataac tgggtcaattg      540
cacatggaca acgaaatgct tcattaaact gaggctcgga natacaacca aggtattctg      600
cgacaaggaa actttgenat cnaacgnc ttttaactga aacg                                     644
```

<210> 4234
 <211> 381
 <212> DNA
 <213> Aspergillus niger

```
<400> 4234
cggtcattgt gtaggaagtt acttctcttc atgccaacat gaaacagtt tattgtagtt      60
cagcagggat ggccgtgtca aagcgggtgt catgtggtat ttccacatt gtcgaaacgt      120
accgccattg tgcaacaaact ccttgacgat atgagagctg gacttttacc gtttctctga      180
acttgatgtc ttgtgtacta agcattttat gtttggaag aaacagcttt taaggtcaga      240
ggcaggtga tgatgggttt ggaccatctc gggtaaatga ggttggtatcg gcatatagta      300
atcactctaa taactctccc ctctgttcag gcagcatggc ctgggcgag cactagctgc      360
gttggaaccc cgtgcaaat t                                     381
```

<210> 4235
 <211> 462

<212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(462)
 <223> n = A,T,C or G

```
<400> 4235
ctcaccaggt ccagacaaaa taaggattga cagattgaga gctctttctt gatcttttgg      60
atggtgggtgc atggccgttc ttagttgggtg gagtgatttg tctgcttaat tgcgataacg      120
aacgagacct cggcccttaa atagcccgggt cgcgatttgc gggccgctgg cttcttaggg      180
ggactatcgg ctcaagccga tggaagtgcg cggcaataac aggtctgtga tgcccttaga      240
tggtctgggc cgcacgcgcg ctacactgac agggccagcg agtacatcac cttggccgag      300
aggctcgggt aatcttggtta aaccctgtcg tgctggggat agagcattgc aattattgct      360
cttcaacgag gaatgcctag tangcaacgag tcatcagctc gtgcgattga cgtccctgac      420
ctttgtacac accttatgat ttgtttttcc taataaaaaa aa                        462
```

<210> 4236
 <211> 544
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 4236
cttctcccag ttttcccata ttttttcgtg gtgtatcaca cagccgctca acatggattc      60
tccatcatca gttagtctca acatccagga tgccgtacat catccatcct ctccaaacaa      120
cttcaaatacg cgcttttcga aacacctgga gctatggaaa gctggcctag ctgcaaagga      180
gcactgggat gatgaatata actttcagcc tggacgttat gctggacagg gccgctagat      240
ccctatgggt tctgacctca tccacgctac cgtatgctag gcataatggat acatagcgaa      300
cctcctccca ccacacacga tctcctctca catacagtct ctccagaagc caccgaaatt      360
tccacaacca caccgaggga tgttcacgat accacacgag tttctttcat gtcacaagcg      420
ccttgcttta tatccatoga tttccttctt agaatagaat ataccacctt cgcgctctaa      480
taccattctt tacctgtgaa ataattctcg aatggaatct actttctctt actaaaaaaa      540
aaaa                                              544
```

<210> 4237
 <211> 221
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 4237
gcttcaacgt cctccgtgtc ctgccccgta ccggcaaggc cgtcaaggct ttctccaagt      60
tctaagcgtc tccatgagga aggggtgtgt gtccgcgagga cgaacctagg gcagcggcgt      120
gactggatat aaacggatta gtttctaggg ttgggattgt ttcacgattt catgtcccag      180
gtacccttgt ggaaggaata tccaatgaaa aaattacttt g                        221
```

<210> 4238
 <211> 187
 <212> DNA
 <213> *Aspergillus niger*

```
<400> 4238
ggatggcctt ggagtaggta gccatacaca cccaccgcga ttatcctgta ccttttttgg      60
cctcttgtct cttatcttag tctagctcag ctagtcaatt ccgtgtagca ttgacctcat      120
tcaattttcc tatcttttgg tgtgtattca aatataacga aatcaatagt actgcctaac      180
attacac                                              187
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<210> 4239
 <211> 521
 <212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)...(521)

<223> n = A,T,C or G

<400> 4239

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ctggccgagg	cagagtatgc	ccggcgctgc	gtggcagcag	cattgcgaag	ggcagcgacg	180
gtgttacggc	ggacggcctg	catggttggt	tgaggggaagg	gaagaaaccc	ggtaagggga	240
gacgggaaaa	gaggggagag	gtgtgaaaagt	gaagcactac	gaaggtgcaa	gaggggttcgt	300
ggttgaagat	agagaagaga	gaagagagta	gccgtttcaa	acgcgccgga	cagattcgtc	360
ttgggggaatt	tcgggacaaa	gctttaagcg	gattccgagt	tgtcacgggc	ggtcgggttgc	420
ctccctaggc	ctagctgata	tttttttctt	gttgccgttg	tgctgttccg	ccgcattctc	480
ccacacataa	cttagctcta	cgtttctttt	ttcggtaaaa	a		521

<210> 4240

<211> 457

<212> DNA

<213> Aspergillus niger

<400> 4240

cggcagtcgc	agggggagcg	ttcccagtcg	agcaccagct	gtacctgatg	gtgatccgca	60
ggcgtgcctc	ctggaatgtg	gcgaggagtg	tgccaggggt	ggccagtgtt	gccccaaagca	120
atcgccgtga	ggtgattoga	taccaattct	acctccccct	tgattctttt	attctttacac	180
cctccttaca	acctcaccat	attaattttc	ctttttctgt	caacataccc	cctttttcata	240
ttactggtac	ctatgtgact	ggactggccg	ttgttgatgt	tgcttccgag	acaaacttgg	300
tgcatgttgg	gtgaacttct	ccgatggctg	catgtgatga	gacttgtcac	tggaagtgtt	360
aattacattc	tttaaaacaa	gacgttctta	ttcttcttat	gtattcttag	caatatcatt	420
gcatgtgac	tgggctctat	cttctgcaaa	aaaaaaa			457

<210> 4241

<211> 423

<212> DNA

<213> Aspergillus niger

<400> 4241

ctggaaccgg	cacatcatgt	ggactactta	ctgacttgca	tggcaaataa	gaactgaatt	60
ccggttggga	tatttacttg	acgctagggg	ctatacttga	cagactgatt	gacatctctg	120
aagtgattga	tttgatcggg	gttgtccgat	gcaagaagta	tgtggtatgt	gtgtatgtat	180
gtctgtagcg	acttcttgtt	ggtagtagcc	ttgcggctac	agattttctt	tcaatatctc	240
tagatagaga	tattcgttca	ttcggagtaa	catgggtatat	aatctaccct	gcagaagcca	300
aggaaatcag	atatcttggg	acaaagtata	aagtcccgtg	tacggagatg	ggcggggccgc	360
tatgtcaaa	gcttaaaatg	atcaaagtac	ttactcacag	tcagatgtat	atactaatta	420
att						423

<210> 4242

<211> 595

<212> DNA

<213> Aspergillus niger

<400> 4242

gcactaccaa	ttaatatgtg	gtcttttactc	actgcgcgtc	cctgggggtcg	ctcagtaqca	60
ccaaataaa	ctcatcggga	cccaatgcca	gaggtctggg	ttaaagtcag	ttttgagtta	120
aaacccgggg	agaaaagcca	acaccccgca	acctcgacac	cgcaagggca	cctgggtggct	180
aattcagtac	ttcatttgaa	tgtcctgtgc	tggcaaaagca	ctggcgctca	cgtaggcgga	240
cagacaacca	cctttccttg	gatcggagag	gggttgtgac	aatttttaaca	gacctcgtct	300
cgccagttca	cgggggaagct	gctgcctatt	cgaggtaagc	agtatatcat	ctgcacatcc	360

tgccacctac	ttgccgatga	cttttcttct	accatgtttc	gtgacctttc	cgtggacggt	420
gtcctctcct	ccctattggt	gtctgactcg	tgtcttttct	tcaattttta	gcccgcacga	480
acattgaaag	ctgaagaatc	gaaatgaaaa	aacgggtccg	aaacgcaaat	gagcatcgta	540
ctttcgcgac	tatccggtat	caaaaattga	aagttgacga	ctcgaaaaaa	aaaaa	595

<210> 4243

<211> 364

<212> DNA

<213> *Aspergillus niger*

<400> 4243

cctacttaaa	cccaatgaaa	caccaccacc	aacctgcat	cgtccatgaa	ccagacagag	60
caagggagcc	agaaacccga	ctcggagtat	aagtcatgag	gctacacaga	tacttacttc	120
tacctaccac	ctacctcctg	cttctgcctc	acacatcccc	accccccta	caccgcactt	180
cattatccga	acctatcgta	acctcccaac	atgcaagaca	ggtttgaaat	aacctgggca	240
acgggggaca	tttctgggtc	ctgcaatcac	aaacatacat	gcagcagtag	ttagactacc	300
tacataacta	cttgctgcct	tgagagtaaa	tactatagtc	ttacttaatt	aatgcagctc	360
gctt						364

<210> 4244

<211> 339

<212> DNA

<213> *Aspergillus niger*

<400> 4244

cttggcgacc	acacttattt	gacctggaac	aatgagcagg	agagctcggc	tgtggcaacc	60
gggcgggatg	gcagatttgg	ctctcatgct	acttaagaag	cataccttta	ctttcccttg	120
ctcttcttag	tctacggaca	taatttacac	agtggattga	tacgaggcgt	ttgtaggtgg	180
cgttcctgaa	gaggatctga	taccactgg	tttcccag	gggcctatgt	tttcgtgata	240
gtttcggcat	ttctatccat	ctaggaaaat	tttgatggca	cctgctagtc	gatgtgcoct	300
tcttgatgga	gcgatctcaa	agtggtcaaat	ttctcggcg			339

<210> 4245

<211> 937

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(937)

<223> n = A,T,C or G

<400> 4245

ttgttgctct	aagaagcgct	ctcttagaag	aacatggaca	tctctaatat	caatattatc	60
aggcagattg	cgtgctctga	ttcgtctgca	atattcgagg	cagagctgga	tggacaaaag	120
tatgcattga	agcttttcca	cgacaacggn	gacctgggtt	ataccgaaaa	tggtcgtgat	180
ttgaacagat	ttcgtctgca	gttaaatgct	tacaagaagc	ttctggtctc	tggtgcctgt	240
gcacgcgggt	togtgccaaa	attctacggc	tacatcaatc	ggatggatcc	cgcagcattt	300
cagcctgctt	tacaatcttt	cgcccagagc	aagctatggc	cgagagcaat	attgctagaa	360
tattttccaa	atgcagagag	tttgaactgc	gtgaactact	cggagcgctt	ctatccccag	420
gcaattgagg	gcattgcata	gatacacagg	cgggtgttca	mcacagagac	atctacccca	480
aaaaycttct	ccttgctcct	ggaaaccccg	acaggctggg	ctggattgac	tttgatgttg	540
caacgacctt	caccgatttt	gaacctgaac	agctggcccg	ctgcgaccac	gaaattgcgc	600
ttgtgaagg	atttgcgga	gctctgagag	atgaccaggc	tgagggactc	cgcgcgaata	660
caaaattctc	tttaagggtc	cataggtggg	tatatatygt	gacaatgttt	ggtrgcattt	720
acgcttgctt	tcttgtaaca	gatatcagtc	ggggcggagt	ttcaagcaag	ggcgtttttr	780
gtttatttta	ctcctttgta	caaccatgaa	tcattcatct	tattttccaag	agcgtttctc	840
gaagccaatt	ggatcctacc	ttagctagac	catttgcgct	gcaatcctcg	tctaaaataa	900
tttcgcgcaa	aacgcggggc	atgtcaaaaa	aaaaaaa			937

<210> 4246
 <211> 424
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(424)
 <223> n = A,T,C or G

<400> 4246
 ataagcgcgc gcctccnacc tttgtggggt tategaccgg aatggccgac tcggagattt 60
 ctggttgccg gccaaagattc aggtgaccgt gtatttcatt gcctcactgc tgtgttcttt 120
 tctctcttca tttgtttcct ttcatacctt tccctgttaa tctcggccc tgttggtcaa 180
 agtcattcat ttataatcct acaccgggtc gagcccgcta tgtaagatgc tagttatgca 240
 ggtgcgttgt gaagcatgaa tcttgccctg aacgcgctca agccttcggg cctcgagaa 300
 acacatgagg ttggcgaaac aatgcgtgac gcgggatant aagatcgctg ccacagctaa 360
 acacaatgaa agacaccacg aaagcataga aggaaccata aaatatgata tcaagaaaaa 420
 aaaa 424

<210> 4247
 <211> 421
 <212> DNA
 <213> Aspergillus niger

<400> 4247
 ctcaagcctg atacataagt ccttagacgg caggaaaata tggctgcaaa ccaccaatt 60
 catattcacc ccgctcgacc tctctatcgt ttcaccgcga ctgcattggg agctagcatg 120
 tgggtctttc tgatgtacag agcgaagaaa gacggccctg ctttgttggg ttggaagcat 180
 ccattgggacc attagttgac gaatattctc agacctgaat aatgggtctcg tttgttgaga 240
 ttggaagaca atcgattttc ttgaggacta catcagatat cttaatcgag ttgttaacac 300
 aaaaggttcg cgctttctgt cgtcattaaa ggaaccatcc agtcagactc ttaagtcagg 360
 atgacgacta tatatttgaa atattaggag atatgcaaaa gtggaagttc atctaaaaaa 420
 a 421

<210> 4248
 <211> 420
 <212> DNA
 <213> Aspergillus niger

<400> 4248
 aacaagtcga cttctttact cccatctctg aaagcaaatt ataatccaat cctcctgata 60
 atgcctcaca aagacaccag ctgggtgcct aaccgcacag accgaacctc tgactcttca 120
 gtcaaccgcc tcgcagccac gggaaacacc ctggcgaggt ccgccttttg ctcaggcatg 180
 gaccgcaaca gtggtacgat acccgaatac ttgtccacgg gctccgaaga tctcaggcct 240
 ttgagcaagg aggaagcgga gagattatac gaggagagaa tggaggagga atacgcaaag 300
 cgggaggggg gtgcttaatt gggttctttg attattattt ttaacttcta cggagtattg 360
 tgtatatatg tatcagattg acctgcacaa ccatcatgaa ccggaaggaa aaaaaaattg 420

<210> 4249
 <211> 430
 <212> DNA
 <213> Aspergillus niger

<400> 4249
 ttcaaaacgat actattcgca tctttgataa agatatcaag aaaccagaac aatcattaact 60
 actctctata aggatataata tactttacat ctcacacatc atgaaatcta ctactactac 120
 ttcctccgcc cgtctccaga atgactttgg agccgatctg tgggtgaaga atccgcctaa 180
 gcatcatccc accgcaggac gcggcctttt cgctgggctt caagacacta agaactataa 240
 tgtcgagtcg ggctgggcga aqcqcaqcaa tqtqagaggt caqgggtttt tggggagttt 300

gttgagccgg	ttcattgggg	gatcgtataa	gcctcctact	gattagatgc	attgactgac	360
ggttatgggg	agtgtttgac	ggatttatga	tgtatctatg	gtttttgttt	ggtgtttggg	420
attcgttata	gcgttagatt	atagtcattg	tgaaacagtg	ttcttttgaa	aaaaaaaaaa	480

<210> 4250

<211> 427

<212> DNA

<213> *Aspergillus niger*

<400> 4250

aaaaataatt	gggaaggacc	tctatctgaa	caaaacctgc	tcattccgaat	catttcgacc	60
atgagtgacc	aaaaggctcg	cgagagcttc	gcgtccatcc	tcagctacta	ccgccacaat	120
cgcgagtcgt	tggaaagggt	cccaaactgg	gttgatgacc	ctgacagtca	gagtatcgtc	180
attggctttc	ttagggacac	accgaccgac	gaacaagtcg	aacaggctaa	ggaggaacta	240
aaagctttta	tggccataga	ggaaaattaag	gaaacgctgt	ctgaaacgga	gaaggatttg	300
ttgaaggagg	cttctctttc	tgcgctgaa	aaacgaactg	agaacaagaa	ggacaaataa	360
ggcgataacc	ttgattttaga	tttacctatc	aacgtacatg	ctctgattat	aamaamaaaa	420
aaaaaaa						427

<210> 4251

<211> 139

<212> DNA

<213> *Aspergillus niger*

<400> 4251

agacctggg	cttcctgtca	gccagtgagc	cgccgctcac	tttactagt	taatggctcg	60
atgtgtgcac	agctgacata	ttctgttttg	aattattgac	gtagccgatt	atatgtattc	120
atcttttttt	ttctctcttt					139

<210> 4252

<211> 133

<212> DNA

<213> *Aspergillus niger*

<400> 4252

atgggacaag	tcatacttac	aggaccttga	agatgggtgt	tgtactatct	aagaaaggct	60
tttttttgaga	gtactcttaa	cacaagagga	ggagggagga	gggggaagta	gtagataaat	120
aataaacacg	acc					133

<210> 4253

<211> 103

<212> DNA

<213> *Aspergillus niger*

<400> 4253

gcctcacaat	cgaggctcgt	ttgtaggtca	ggccatgcct	cgctgattgg	acgggaaccg	60
taacggtaga	aatagcagca	tgccatcatg	gacggacact	ttc		103

<210> 4254

<211> 349

<212> DNA

<213> *Aspergillus niger*

<400> 4254

gaacagcgga	gcaatatgag	ttcatcagtc	gtcagcttcc	tttttcacga	tgaactcaatt	60
gattctgttt	ctgtccgcta	caagggaacaa	gttatcgata	cgogaagaaa	gttcatgggtg	120
gacggctgga	ttgtgatgca	aaatcaaaact	ttctcogatg	ccacaataga	gcagaggcaa	180
atcgagcata	atgatgccgt	taagcagttt	ctccgggtgg	acgaaggcac	atatcttccg	240
ggccgttttc	gaaagcgaga	aatgaataaa	agcaacagcc	tcttcgtgcc	atccagcggt	300
ttgcccgate	ttaaactcat	caacgtgttt	cacctcgtg	gtcaaagcaa	ttctacttgg	360

atattcgaat atttcactcc aaacgaacac ttacggaaaa gcgttttgcg	aagcggaacc	420
gatatcatct gtgttgcggg atggatgaag gactggagaa taccttacat	tcaaggacag	480
gccggaattt tggcccgaga tagtatattt gcaacaacga ccgtttgatt	gactagggaa	540
aaaaaaaa		549

<210> 4255
 <211> 106
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(106)
 <223> n = A,T,C or G

<400> 1255		
ncanatotcn agctagggtn ctcattgogat genatottca ctanaagoot	gtncattata	60
catcgctga tggatgaaca gactgcgatg acngcattgt aatctc		106

<210> 4256
 <211> 567
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(567)
 <223> n = A,T,C or G

<400> 4256		
cttcactact tectgtcaag tcttccatcg actttcatca caaaaaccct	cgtgcaatgt	60
aattccacct gcgtcgggcc ctccccgggg tctcgtctca atacttcatt	acacacgatg	120
gaagtcatgc aatgcctttg gctggactct ctcaatgatc aggtatctca	ggtaaactct	180
gggcgtggac cgggtgttcgt tctatccgt tggttgtgca gcattgctag	cattgctgcc	240
tgcacgggct ctgggttcgt tctgagatta tacgggttaaa ctngatctgg	ataataccag	300
cgaaaggatc atgccttccc tegtttcccc ccacttgatg gaatggctac	aattccagtc	360
cacctacca cacttaaaag caacatgctt ctccgtctgt atctttganc	ccaccgnggt	420
ccactggga taaagtnaac gtgtgtcccn gaggcggtc cgtacttgct	tggtncaaac	480
ccagtgtttg acacttngtt ggcaagtgga caacttcaan ttcnttccat	cctganagta	540
ngggttcggtn nttgacaaaac cttcttc		567

<210> 4257
 <211> 359
 <212> DNA
 <213> Aspergillus niger

<400> 4257		
gtaagcgcaa ggggtctcaag gagcaggttc ctggctacga gaactactac	gacaagctgt	60
aaaaaccctc catacaagcc gactaaaatt cgaccttggt atggatggaa	tctctgttt	120
atgagatgga cgaatgcaat acctgtgcta tatggagggg gaggatataa	aaagaaaaac	180
agettaatgt cgtatgtgga ttttcgaccg cttagagaag tagaatcgag	ctgtgcacga	240
gcattatgga tggcttttatt tttacgttaa cgaccgagag ggattttcca	tagctccttt	300
cctattccct cgattggaca tgaaaaaaat atgatggttt tcaagttcaa	aaaaaaaaa	359

<210> 4258
 <211> 313
 <212> DNA
 <213> Aspergillus niger

<400> 4258

tcggctcgtg	cttctgttcc	tttccttctg	gtttggacag	gagcgcggtc	gttctgagat	60
tatactgtca	aaacttgatc	tagataatac	tagcgaaagg	acatgcgtgg	cactgattgt	120
cccctactat	ttgacctaca	gaagacgaga	gggatctcgc	atccctctct	gttgctgaca	180
gtttccagac	ctttgcaatt	accctcgacc	tgagtgtatt	tgtgccaaaa	tgtctactga	240
caagatcacc	ttctgaccaa	ctggtatgga	ttgggatctc	tattttgatt	tttagaaaaca	300
ggtcacagaa	tatatgctaa	atcatgcgtt	caaaaaaaaa	aaa		343

<210> 4259

<211> 118

<212> DNA

<213> *Aspergillus niger*

<400> 4259

tggagatgat	tgattgattg	attgattgat	tgatatctgc	tttgagatat	ggacaaggat	60
gtgaatgtgt	cttgatgccg	ccactagtac	tatgaacaca	gtgacctgta	tatcattt	118

<210> 4260

<211> 150

<212> DNA

<213> *Aspergillus niger*

<400> 4260

agtactgata	gtacttctgc	tgttgaggat	ggaggaggta	ctactactac	taccactgga	60
aatggaagtg	gaggatcatc	gtggtttaag	tggtggtagc	tatctactac	tagtagtagt	120
gagaggaact	ttttgatgtg	tttacgactc				150

<210> 4261

<211> 416

<212> DNA

<213> *Aspergillus niger*

<400> 4261

aactcgcagt	aattgatgct	ttacggctct	cctttcccag	gctcccgcga	catgataaat	60
tgttagactg	gttggtcag	tacgtgcat	attgtttaga	aaagctccgg	gtacaaggcc	120
catttcatga	tctccttaaa	gagttcccga	ccttgagctc	ccgcatgata	ctgtctctgg	180
gaccagcatc	gactccacca	tgccggacta	cacaacccaa	ataccattt	attcagtact	240
ctgctaaatg	gtcggaggac	aaacatggtc	actagcataa	gcataacagc	tctgctagat	300
tatggatctt	tccatcggtc	tctattttaga	atatgacctt	ctacgatgac	atctcaattt	360
acttgatgtc	gattgggttag	gagaagtgtat	cacgctattc	aactcagttt	tacggc	416

<210> 4262

<211> 267

<212> DNA

<213> *Aspergillus niger*

<400> 4262

gggctccaac	catactatcc	gaattaccag	acccgtctga	aagctcgcgc	actacgcgat	60
ggtatccagt	cggatgggtg	agtctgttct	agtacacaga	gctgtttatc	ggataggatc	120
atcaaaatat	agcgcgggtg	tcacggggaa	tagaagacct	atttggagtt	tcggagtgcc	180
gacgaatacc	gaagggccgg	gcattgtata	ttgctactat	tattccaaat	gtatataaga	240
acttaagcat	ttgcgtctat	tgccgagt				267

<210> 4263

<211> 198

<212> DNA

<213> *Aspergillus niger*

<400> 4263

cggtaatgtc	ctgcggcagt	gattccccga	ccgtcaggac	cagactgaca	tgcagcttga	60
gccattctca	tttcccggcg	tcttgaqtqt	tctgttctgc	tatgatactg	cattacctgt	120

ttatcttttt ctgtttgttt tcatgacta tgcagagtta gtatggcgat taagggaatg	180
gcaaagattt gtacagag	198

<210> 4264
 <211> 191
 <212> DNA
 <213> Aspergillus niger

<400> 4264	
tttactccga cttttcaatt cgggaagggc taggaagcat gatgtcatga gagctggtcg	60
ggatgaccag aatagcgccg tgcctggccaa gggcggtaac atctatgtaa tttagcaata	120
ctgctaccag gcgggcattg ttctccggcc aggccattca gaatggaaac caaaaaaatc	180
ttgggaaatt c	191

<210> 4265
 <211> 321
 <212> DNA
 <213> Aspergillus niger

<400> 4265	
gttcattctg agccggggcca cttcccggtg aagaaatgtg tgcattctacc tggccgtgat	60
gaaagaaagc aagtaccctt gtatctatct ccttttcgac gtctcctttc gcgtgtcata	120
tatctgtaac cccaagagcg ttctgtttgt gtgactagtt tccattatgc attgggtcaat	180
ctccttccct acatgtggcg gtggcccagt cctaattgag cctgttttat tctgtttcgg	240
atacgtttga gtctgtgaga gcgtaagggt acatacaaat agcatgttct gctcccatc	300
gggaagcgta ttagaccacc c	321

<210> 4266
 <211> 185
 <212> DNA
 <213> Aspergillus niger

<400> 4266	
ctaacttcac cctgtcggat acccttggcg ttctgctttc ggatcaatct cctacacact	60
ctctcaatga atggctagag gaaagccttc acgagatct cactagcagt tacttgttct	120
ggtggagttg ttattttatac tagctatatg ggctaaagaa acaaattaat gagaatttgc	180
agttt	185

<210> 4267
 <211> 299
 <212> DNA
 <213> Aspergillus niger

<400> 4267	
ctttgggggtc tttcttgctg gtggctaatt atagagatct gcctgacctt ttttgacagt	60
caagatcgcg caaaaatgcc ttctatcaat cctaacgcac aaatctaaat catgactcat	120
atgttatgca catgatacaa agttgccttt gatgccttcg caccacacag gaatcttcaa	180
gggatcgag ttctgctgcc gaatggccgc gtggagaaag cgaccacacg agattgggag	240
gatactccgg aaccatcaca aaatccagac aaagtatgct gcgactacgg tttttctat	299

<210> 4268
 <211> 483
 <212> DNA
 <213> Aspergillus niger

<400> 4268	
ctgggggtgag gagatcgat tgagggatat tttgttgctt cacctccttg atgtgctgaa	60
acaaaaaccg tacagcgact tcatcatgtg tcatgtatct gagacaagct cttgatattt	120
gaaaatgacc agctccaacg acggactgag agagatgcgg gtcacacata atactgctga	180
ggaatttatt gagcagaaaag tcagccactg actggtgtat aaattgaqct tcccgatcag	240

aatcttctctc	cccaggttca	tattgttccc	atatttcacg	cgattgaaat	tctaccaatc	300
ctttggagag	atgtctcacg	tgaacctcaa	athtagtcac	ggtatcagac	cagctgctgt	360
gactttctgag	ctgcgttcca	ggttccatgt	ctatatcaat	agaaagtgca	tcccgaagct	420
cgtagagcaga	caggggtctc	ttagcaaata	gaatccattg	gaacagcttg	acaaaaaaaa	480
aaa						483

<210> 4269

<211> 248

<212> DNA

<213> *Aspergillus niger*

<400> 4269

gtctcgtggt	tgcacttgag	cagacttggg	aatgcagtct	acgctctatg	agtatgatct	60
tttagggatg	gtgaagtgct	ggtagacaag	gggatgggtg	aagggttttg	tgtgattgat	120
cgatgagact	gctgtgctcc	caaacatgtc	attcgtttgt	cagtaacagt	ctcactatga	180
tgaaatgccc	ggtaggaaatg	catcgggatt	atgttgtcca	acgatcgtt	atccagactt	240
gcgtagac						248

<210> 4270

<211> 239

<212> DNA

<213> *Aspergillus niger*

<400> 4270

catcagaata	cgctgtgttt	cccactccga	cgatccttcg	tctttaattt	agcaccggg	60
gcgttcattc	tttagtgtgt	atggcggtat	ttggagttgg	cctacttttc	atgtcgacgg	120
agcgagtttt	ttgagtcgac	acgggtttac	ctattccatg	tgaaaaaagc	gacgagatgt	180
gacgagggac	cttgattggt	gaaatcctgc	atagaatcca	gatatccaaa	gtgtgatac	239

<210> 4271

<211> 320

<212> DNA

<213> *Aspergillus niger*

<400> 4271

gtgcccgtgc	gggtgaagct	ggatgctcaa	agagactgga	aacattggca	gaatcaagcc	60
aatgtgcgcg	gtcggatttg	tgcgatcta	tggcggatgt	gtacggaagt	tgtgcccgcg	120
aacatggacc	gggaagaatt	atgggagaa	ctgggattgg	aaggcccttt	ccccaaatga	180
tgatgaaatg	tgagctagag	gtctactgg	cacaagcaaa	cactgggtcca	cgatcctgaa	240
atctcctatt	gccattgata	ctatacatat	gctgtatggc	ccgtgatata	ttctaattga	300
aatatcttta	ctcaatcggg					320

<210> 4272

<211> 280

<212> DNA

<213> *Aspergillus niger*

<400> 4272

cgacttgcac	cctgctgttc	gcagacagga	aacggatttg	gagggatgtc	tgattgcatt	60
tcagcggatc	aaggatttcc	cccgagtaga	gtacactcga	qqattccaat	tacggcagla	120
cagtgcacga	ctatatattt	gtttttttct	atagaagttt	tacctccttt	ctttttctgt	180
cctcagttcc	cccattgaggg	aaccggggcg	atgtgggcgt	ggaatcgcgt	tgagacaga	240
ggatattttg	aagacaggat	gacagtcag	actaggtaac			280

<210> 4273

<211> 105

<212> DNA

<213> *Aspergillus niger*

<400> 4273

cgaaatatca	cgtgaatgat	cgctgatact	tattctttgc	tatctgcttt	tctagtcgta	60
atatgattat	agcacaagca	tataattagg	attctttgtg	tttgt		105

<210> 4274
 <211> 271
 <212> DNA
 <213> *Aspergillus niger*

<400> 4274						
ccaagatgaa	gaagggcggt	tacgcttggc	agttctcgtg	gttggtctgg	tctcgatcag	60
gttaaccg	gcatgctga	catgtcccg	cctctacca	tccattagg	acaatttgaa	120
ccatccgatt	ggaattgtgt	ttgtgtgtgt	ctactgaatg	atgtgatcca	caactacatg	180
gctgataggt	gataagagtt	ggctgggaca	tgggatgaag	tgtcttcaag	atatctgtag	240
tggttataat	agatcgtgtc	tagtttatgt	g			271

<210> 4275
 <211> 621
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 4275						
gcgcattcaag	cagcattggg	ggaacatgga	aagtcgatag	cgcaccatg	gattgtgcag	60
gatgttagaa	ccaagttgaa	caatctgcat	tcagactcgg	gaaattgcaa	cgcagagcag	120
ccgaatgaca	cggaggggac	cacttcactc	tccatgcccc	cggagcatga	tattcctaata	180
ttgctatctg	gcattggaag	atttggcagc	gtagcttgtg	ggcttgggtg	atattcggac	240
atatttgaac	aggccgtcat	ggatgttgac	gcggatcagt	caggttggcc	cacgatgaac	300
ttctaccoga	tgtggttagag	gaatagagga	tatgcttgtc	gtcattgcga	gtctctgtac	360
agctgccact	ccattgtcgg	tcgagtgaag	ttatatgcgc	taaccaactg	acgagcaatg	420
gccacaggcc	agacatcgca	caactcgtcc	atactcaatt	cgaaggctaa	cccccgtttc	480
tattcatcga	tcaatattgg	acacgacgat	tttctcgtct	ctttctaaac	agtcgatagt	540
caagaccatg	gtcggcgctt	tttatcctnc	tggctaggtt	tangttttgg	cgatccagag	600
gcccagagtag	aaagcanatt	g				621

<210> 4276
 <211> 587
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

<400> 4276						
gcccagatggg	atggcaaaag	gagtttgaatg	gcactttgca	caacgtgaga	agacattcac	60
cagcgacttc	ctgggttgtgg	atatgaagaa	ttataacatc	atcttgggaa	gaaaggatat	120
caagagattg	agaatcctca	aatccggacc	tggccttgaa	cggggtacga	tgatccggtc	180
gtcgtccctg	gcattgaatc	gaacaatttc	atgtttgcac	atcacgatac	tctaaccat	240
tgtctatgaa	caaccaagcc	atcccgccat	tgggaggcaa	caagcatttc	ttatacctat	300
tttatgattg	atggtgatac	caqtaaggac	agctgcggat	attgcatcac	accggtactt	360
ttgggcaagt	gctggctgac	aactttgcac	ngacncagca	aaaggtttgg	accagttaat	420
gactcgnatt	ttaanccgac	ggatgtatct	gattatgatt	aactacgatg	acatgtccca	480
ttgaggenon	tggaaagtgtg	tgatgatttg	ctttttgaac	ctattacctt	ggcggcggtt	540
gtggaaagg	gttttatctt	gctgggttga	aggcttggaa	caaggca		587

<210> 4277
 <211> 468
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

<400> 4277
 ctaggtgtag cgcgtgccat attgtagggc atatacgtac tagatgtcct aatcgagcag 60
 tatcttgaga tagagcgctt ttaagcggtg aattaggtgt tcaaaaagca tcattttgta 120
 tgtaaatacag aatgatgata tactactagc ggaggtggcc gactcgctta cgtggccgac 180
 tcgcttgccg cttacgttac cttgcctgag tcaacctggt caaccgcctc ggaagctaag 240
 acctatttcc tgaatagtgc aggtgtatcg ctgaatgggg gaataacatg ctctcttcat 300
 ttttttggtt gggatttctt ttcttatttt cttttctgcc ctctctraat gttttgcaga 360
 tgtgatatag aggaagtttt gagttacaac ggtatgccag catgaagtan ggcaagtcag 420
 taagtttagct acttaaagta ctacttattg ntatcgaaaa aaaaaaaaa 468

<210> 4278
 <211> 129
 <212> DNA
 <213> *Aspergillus niger*

<400> 4278
 gacggccttc ggagtggtag attgagttaga tggacaggat ggaacggaac tatttttttt 60
 acctttcttg tcaactcggtt attgactgat ttagatatga tgattttgat ttcttggtta 120
 taccttagc 129

<210> 4279
 <211> 442
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

<400> 4279
 ttctcaggag tgaatatcaa cggcttgtac gctagactgg cagtgaattt aagctctgag 60
 catctttatt agttctttct ngatccatgt acaatctgct ccatatcgga catccatctc 120
 atctgattcc atttccaccat gaagggaact accgtgattc tggcttttca attaatacta 180
 taccactgca ttcagcaccg gcgttctgag gtccatgtac gcctttattc tgtcttttta 240
 cttcgggctt gtggctgaca cgggaattct gtctgattcg aaattatgca ttcagtggac 300
 atctatatct cagaatcatg ttgaaaacgg cgttgatttc ttcactcgga ggtgaaatag 360
 aaccagatta totatcccat actactcatg cctcagtcct cgaatctcat ccaaatgnca 420
 tagcacagtc aaaaaaaaaa aa 442

<210> 4280
 <211> 312
 <212> DNA
 <213> *Aspergillus niger*

<400> 4280
 cagccctcca gtgcgaagga cagtggtaac tcggctacca tctctggcaa gcaggagggg 60
 ctctctaaca ctaacacgga caaccgtac gtgaacgagc ctggaaagag tgcaaagggg 120
 gagggagaaa ccgagagcgc caaggtgaag gggaccgttt ccccgagcg ccccgaggct 180
 tgattgagat gactgtggat cgtacatgtg aaaagtccac ttgtgtcttt gacgaaggct 240

actgtatttta tegtccatgt gacatgattg caaactagat catcaaagag gtgtcaatgt 300
 aaaaaaaaaa aa 312

<210> 4281
 <211> 310
 <212> DNA
 <213> Aspergillus niger

<400> 4281
 gacgactgga accgctcaag caacgcagtc agcggttgtg acggagggag ctgctgtcag 60
 cactgccgtg tccaagctga gtctgattgt ggcagttctt ggagccattg tcatgggtcta 120
 gacaatagac catgttgacc atcataccga tcaactgtgt cggttgcata ctactcacc 180
 atcatcactt ttcttggttc acttctgata ggcacctttt tcacacttac acttataccc 240
 ttatgattga cgttcttgta tatgcttgat tgatgagcat ttatcgataa tgtttactgt 300
 taatatagtc 310

<210> 4282
 <211> 217
 <212> DNA
 <213> Aspergillus niger

<400> 4282
 acagagcctg ccacgaccgt cgtccagcct tctctacggc gacgtgttgc cttcgggtcta 60
 cggactgato ggctctggag agtaatatcc cttgatagga agtttgtctc tcgttgggtc 120
 ctcttcagtg agggcgatga ggggtgaatg tcgatgacgg gatacatctc atcttaacaa 180
 caatgaataa tgaatttgaa tttaaaattt gcaattg 217

<210> 4283
 <211> 209
 <212> DNA
 <213> Aspergillus niger

<400> 4283
 ggggcaattg tccaacaaag accgttcaaa gatttgatca agtggggaag gagttgtctg 60
 ggcggggcat gaaagaaaca agacggggcca ttaaggcggc gattactttt gattaagtgc 120
 tggtcactag atgtatatat taatgagtta tgtttgggta tgaagctttg cttcttgact 180
 gagtccaata tcatgatgac attcagttg 209

<210> 4284
 <211> 231
 <212> DNA
 <213> Aspergillus niger

<400> 4284
 agacgtgaca ccgatcatte ttgcgagtcg ccagaattcc tcatcgtcgg tgctgttgac 60
 gcgcttgaag aagcgctcgg gtctggaggt ttgaccctac cagcgctgcg gacgccaagc 120
 ccccttacca taagactggc ggcgaagggtc tgggaattac tgcataaaat gattcgacgg 180
 tcggcagata tacacgttgc gtttaatcaa cctcttttat agtcgggtg g 231

<210> 4285
 <211> 139
 <212> DNA
 <213> Aspergillus niger

<400> 4285
 cagcccgctc gggttggctg caacacgaag gcgaagctgt aggatggttt gtagtattgc 60
 attagcagtt atgagatgga gttctggcac ttgtatatag gttagggata atagcatcat 120
 tcacaggctc tcatatacc 139

<210> 4286

<211> 206
 <212> DNA
 <213> *Aspergillus niger*

<400> 4286
 ctgccgagca gggctcttgta ctcgtatagc atactgtttt gagaaattgg gacccttacg 60
 gctcgagcta ctgaagcttc tactcatgct ttgttgatct ttcttctttg tgttgatttt 120
 ccagtcctgt tcttgctctt gagacttgct ccaaaaactgt tgcaatgagt ttagatgaa 180
 tcatgtaata ttaccatct cgtccc 206

<210> 4287
 <211> 102
 <212> DNA
 <213> *Aspergillus niger*

<400> 4287
 cttgtttttt cctcttttct ttccattgct gatgctttac tgccttggtc cactctggca 60
 aaccttgagg aatgaaataa ataatcagtt atgtcaacag at 102

<210> 4288
 <211> 607
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(607)
 <223> n = A,T,C or G

<400> 4288
 ccgactactc ttgtatccag gaggagaaga tcaagtcgaa acaattaaaa gacaaaaaga 60
 agaaaaagta cccgagaagg tcgtgagaac gcatagatta gatggctcaa aacagagaag 120
 agaaaaacaaa gacagggttt tcaacttttg gtacttccgg tctcgatgac agcgactgac 180
 tgcagcctgg agcccagcag ttccataatc ttacgacaaa ttccccacc cggatacaga 240
 ctttctgaga tatcacggtt acgttccctt taatgacatg actaagttgg aatcgtctta 300
 ctaagtgtac ttttcttttt ctttttttct tttctttttt tctttttttt attattttac 360
 aatacttcat aggcgtttta ttgtgtgtgt gactgggccc cacaatcact gatgtgcagc 420
 ctatcctcgt ttcttggtgc ttgtgtcaaa ggctgtgctg gtttgtgaca ctggctctgt 480
 caattatcct cctcagctt ccggaatgga acgaaaatag atgtttgaga cttttgtcgc 540
 catctgtctg taattttctaa tatgtctgtc attaattgta ttcaatgtga cccaaggggc 600
 tggattc 607

<210> 4289
 <211> 138
 <212> DNA
 <213> *Aspergillus niger*

<400> 4289
 ccttggtgtg tcattttctt atgtattgct catgatacca gctcaccgtg tcaactgggt 60
 ttgtttttgt cattatctct tagttggcag tgatcaqatt tatgattgat gacaatgtca 120
 aaccaattaa tcaaccgc 138

<210> 4290
 <211> 123
 <212> DNA
 <213> *Aspergillus niger*

<400> 4290
 caaagatcgt cactctgac agggcgacta agatgaccgc catgctacta taagtacaac 60
 tgggaaatgt tccgtctaac taactcgaaa tcaacaccac qcaatcgctc atgctttcaa 120

ctc

123

<210> 4291

<211> 475

<212> DNA

<213> *Aspergillus niger*

<400> 4291

caggaacccat	tggcagaagg	atgagggttct	ttatctaagt	cgagggtctta	tccgggtggg	60
tcacggttg	tgctagatgg	acgaattctc	gggcagcctt	ggacatgcag	ctttcaggct	120
ctttcatgag	tatgaatata	aaaatcagtc	gggcgaaggc	aaattcagct	cggccgtgca	180
atgctcgatt	tgtttatata	tcagcaatca	accgtcggta	tgactcgcgg	tgagatctac	240
ttcggattcc	tgacactgcg	attccttgtc	gcgagcgact	atagtacagc	cgatactata	300
tagcttcttg	tcgatatagc	ttgatagtgc	acagcaagga	ataacggcct	tggtgctgg	360
ttggcaatgt	cgatcagatt	acctagcttc	ggacatgatt	agacagacag	cagaggatcc	420
ttggtccaag	ggaaccagga	ccaaaagaaa	agaaagttga	cttaaaaaaa	aaaaa	475

<210> 4292

<211> 437

<212> DNA

<213> *Aspergillus niger*

<400> 4292

cgatccgcac	cgcaacgcag	ccctttctcgt	tctagattcc	ctttctattc	ttgctaatat	60
tttgccctga	atcgaagatc	agaccttccc	ccagggtctcg	atctcgggtct	gtcttggttg	120
aagaatgacc	acccgaaaag	aaaattcaaa	agaagaacac	gggacgaagt	gtctgcttcg	180
gatacccccc	atgacacgag	ctcgaagcct	cttataacca	aaaaaagatg	atgatgacgg	240
ggatagacca	gcacgggaga	gggttgggaa	gtccggacct	ggcgcaattg	gcgtttcgag	300
ttttgcttct	gcacgactag	gttggtgttt	atcatcatca	tcacttttct	ttcttcttcc	360
acctcatat	atcattttct	ccttgattat	cctctcacca	tattctctct	acgtgaaaag	420
ataacgcaat	ttcacccg					437

<210> 4293

<211> 423

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1) ... (423)

<223> n = A,T,C or G

<400> 4293

cccactacca	gacaagccca	gtggaacagg	acttttccct	tgccaacggt	tatacgcacg	60
ccagcaggcc	atggcattca	aaagattccg	ttctctgcgc	cattgtatat	cactaagcga	120
ttttctcaga	gctcacctta	cgatttggtg	atttatctgc	ggcttttgcc	tttcttttga	180
ctgtttcacc	ccaggagatc	gacgtacttt	ttatggaaat	atatcgctcg	acgaaggtag	240
aagggatatg	gtcaaggagc	gcaagtatga	ctctggcggc	tcgccacac	ggagtataac	300
cttatgtcaa	tttttgctgg	gtacaactgt	cgtaccgaga	agtcaggcc	attgtcaaaa	360
tggtatgual	ctgnttttag	tggagctata	ttcatgttgg	atcattgatt	attaaaaaaa	420
aaa						423

<210> 4294

<211> 514

<212> DNA

<213> *Aspergillus niger*

<400> 4294

gtcctcctct	tccgtctcct	gatagagacc	agaggacgca	ctttagaaga	gacccctggct	60
ctcttgacgg	cctcgcttgg	caatcgtgtc	gcctaccgta	tccgggtcta	caccccgta	120

atcttcaaaa	gaatatttct	gaggcagcgc	gtgaagctcg	aaacttttga	ggagtctgaa	180
tacgggtactc	gagcaattcg	cctaggatcc	atcgatacgg	cgcccacctt	tcgcagctac	240
agctttgttt	gacctgtgtg	tggaaagtcta	catgaagcca	ctctgcatgc	ggaccgtgat	300
tattattatt	agtagcgcaa	gagttgagtg	ccatacggga	gcagggtgtg	ttttaaaaaa	360
actaaggcta	acggtaaaca	tactgtcggt	actgttgacg	cctttaatca	ccagaccaaa	420
cctcggttta	actgactaga	gcaatgggtca	gaccttgat	attcttcatt	taggcgacat	480
actgcatgga	agttttgtct	gagcataaaa	aaaa			514

<210> 4295

<211> 415

<212> DNA

<213> *Aspergillus niger*

<400> 4295

ccgccaccct	tcatatccaa	gaacaagatc	gagaaatctc	ttcaagatgt	gcattgaaagt	60
caactgctca	aactgcaaca	aagccacctg	gtgggggtgc	ggcgggcata	tcacctccgt	120
tttggactca	gttcgggaga	gtgagcgctg	caattgttgc	cccaagggtg	tgcgggacgg	180
aaaggagtag	ccgctaagg	cggagaaatg	actctctcgc	ggaatcgaat	ggtagtatgc	240
catatatggg	atatatttgg	ttagctgttc	tggagtgtgg	ccgtgggtgg	ggttctgatg	300
atgtgatgag	atatatttgc	gatgtacctg	tgttcaaagt	atgacatata	gctcgtcggt	360
aatgcgtgct	gatattagtc	cattgatagt	ggtagccagc	acaaaaaaaa	aaaaa	415

<210> 4296

<211> 388

<212> DNA

<213> *Aspergillus niger*

<400> 4296

gtgccttttag	tagtttccaa	cgaatctcaa	cccatcaggc	gcgacgggga	ttgcggggcat	60
cgagctgctc	gtgcctaaag	ataagctgca	atcctatgtg	gccacttata	cgtgcatagt	120
gggagcatcc	cgcgcttgt	ccactaccga	agcggagtgc	gagctcagag	cgcggggttc	180
cctagatttc	tcgggggttc	ttcgcattcg	ggctgcaact	tcggagaatg	atgatcaata	240
tctgcgggag	aaagggattg	gcatttcctc	tctgataatc	cgatcgaaaag	ctatcgggga	300
ttttctcttt	cctgtatcag	attatctgca	ttgaggcgct	cgtgctaata	cgtgtatgta	360
ccaatgcaac	ttggaacttg	aatcttcg				388

<210> 4297

<211> 303

<212> DNA

<213> *Aspergillus niger*

<400> 4297

ggagatactc	tacctacact	ggacgggtgat	gagaatgatt	tgggaaaagt	ttqqcgcaat	60
tatggaatta	tgtttcttct	tttcgaatct	tcggtttccg	attctctctg	cttgctcgct	120
cttggttcgac	gtcactaccg	ggatttgcgt	tgcaaaaggc	caattgcttt	tattgtcaca	180
gctcccatgc	acggggaagt	gaccttgggg	ggtttttttt	caaaggagac	gaactgctac	240
aagcgaagcg	aaacaaaaaa	agaggaagaa	aacaaaatac	aataaaaagg	ctgtactggt	300
agt						303

<210> 4298

<211> 549

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1)...(549)

<223> n = A,T,C or G

<400> 4298

ctcgcgcgta	agaggatata	ataggggttat	tataacgata	cctttccatt	tctcttttta	60
acattttattt	cattttgtgca	aaaattcttt	tcttctttca	atttccctcg	ccacgcaaca	120
aaaagcatgt	ccccttgata	tctttcnatt	tcctggatat	atgatatgtt	tccaatccat	180
atccgttctt	gtgccaacca	aggagaactc	gtgtgtgggt	tgaagcctgg	ttccgcatct	240
ggcatggcag	gcatacacatc	caaccaatac	gcaccctatc	aatgatcacc	tgtctttctc	300
aagaaagaaa	ctgcgcataa	tattgggacg	gatangatca	tacgaagaac	gaaccaacga	360
agcccaaaat	ggaaaggagg	aaaagaataa	gatgaaagaa	tgaaagaaaa	gagcaacgaa	420
cggcgtatgg	gagtcgctct	gtctggcttg	aaatggaaaa	taaaaatggg	aaaagagagc	480
agaagaggtg	ctttaacata	cacgcgatna	gcctagaacc	agaagcttgc	anttccgtta	540
aaaaaaaa						549

<210> 4299

<211> 211

<212> DNA

<213> *Aspergillus niger*

<400> 4299

gaaaaatgga	attagtttag	gggccttaac	tgggtgcttct	tattattttt	ctttatgttg	60
tctgaaaaaa	aaccagaact	tctttactac	tttatgcgga	attcttaaat	ggaaatgaac	120
gggtttcagt	ttcgggggtg	aaatgaatat	gcgcggagtc	gtgtgtgaaa	gatgaaattc	180
tataccaatt	tttaaaacga	acaaaaaaaa	c			211

<210> 4300

<211> 269

<212> DNA

<213> *Aspergillus niger*

<400> 4300

ggccacggca	acggcacctt	ccctttcccc	agcggcgctg	cccggcccac	tggcttccag	60
accagcagca	aggttgcttt	ccctctcac	ttccgcgcgc	tctactaaag	ccatgactga	120
attgaatttg	actgcttcgg	gtcacgagct	tgacgccacg	cctgtactga	gattcccaat	180
cgtggcgtaa	aaagcacacg	ctggcactgt	acctacgaga	ggatttactg	ttttgcttct	240
ggtacaaact	tacttcaatt	ttttttgac				269

<210> 4301

<211> 165

<212> DNA

<213> *Aspergillus niger*

<400> 4301

cccgaatcat	agacagtcac	cagtaacata	tattgcaaca	aagagggcag	gaaaacttga	60
tgtatcactc	tcgggaatag	tactagattc	tttctttcgt	ccgttcttag	tctcacggtt	120
tggcgccttc	tggctcccaa	aagtcttacc	tttattccat	catgt		165

<210> 4302

<211> 113

<212> DNA

<213> *Aspergillus niger*

<220>

<221> misc_feature

<222> (1) ..(113)

<223> n = A,T,C or G

<400> 4302

naacaatgcy	canatttggt	ggaatatnan	gatccctgtc	nanatcactg	accaagcatg	60
gntctgcaga	gcattaacga	nggcgggtct	agntcgggtg	natganaggt	gcg	113

<210> 4303

<211> 397

<212> DNA
 <213> *Aspergillus niger*

<400> 4303
 ctccacatca atctcgtctc ctgttataga gtcagaagtt gcgggaatgc cgtctgccgc 60
 agttctatgt attatcaaca aggttaaaca ataggcgacg attaatccct tagctgcttc 120
 gactctgagc attcctattg ctagttatca gacacaatcc aaaattaagt atactgcaat 180
 ggagttaccc atgtcagagg ctagagaggg cgaacttcag cgattatgtc atatcggcgg 240
 aagggttatg tattagcctc ttgttatgga tgcatttttg catggttata cgcgttctcc 300
 taccgtgttg gtaaaggaag ctttatagtc aaggctaagt ggtttagcgt gggaaatggc 360
 acttataaaa tcctgtacac ggagaataga aagtact 397

<210> 4304
 <211> 412
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(412)
 <223> n = A,T,C or G

<400> 4304
 ctccacatca atctcgtctc ctgttataga gtcagaagtt gcgggaatgc cgtctgccgc 60
 agttctatgt attatcaaca aggttaaaca ataggcgacg attaatccct tagctgcttc 120
 gactctgagc attcctattg ctagttatca gacacaatcc aaaattaagt atactgcaat 180
 ggagttaccc atgtcagagg ctagagaggg cgaacttcag cgattatgtc atatcggcgg 240
 aagggttatg tattagcctc ttgttatgga tgcatttttg catggttata cgcgttctcc 300
 taccgtgttg gtaaaggaag ctttatagtc aaggctaagt ggtttagcgt gggaaatggc 360
 acttataaaa tcctgtacac ggagaataga aagtact 397

<210> 4305
 <211> 358
 <212> DNA
 <213> *Aspergillus niger*

<400> 4305
 tttttttttt tggggatatt ggagacgacc atttcttgcc ttatcatagc catccaattg 60
 tagatggacg cgttcgacca cttgggggtga actggaatag aaatggttgc tagagccacg 120
 tgggtgcgct gggggcgttc tactccagat gactgaaaca agctgacggc tgacgggtgtg 180
 acctacaagt cgactccgtg tcagcgagtc tactatttga ctgctgacgt gctcgatggt 240
 ttgggtggcta catgccagta gaattctaga cgaccgccga tgctgagctg tgagcagtg 300
 ctccggagag tatcagtcgt aaaaatatac ttctatatgt ctgcacagaa aaaaaaaa 358

<210> 4306
 <211> 299
 <212> DNA
 <213> *Aspergillus niger*

<400> 4306
 gaaggggtgct aacgcaacaa acaaatgtca atgattttctg cggatgataca ctgataacctg 60
 aaatcccaca cagccaagtc ctacagggttc ttacagctata gggctgcgta ggtggaggga 120
 aagcttgagg tgacaaatag cttggactac ccttggttgc aacatcttcc taaatgacta 180
 cagcaggttg agggggatca gatgggtgga gactttctga gcgttcaggc agctgggcaa 240
 accacacacg gaatatgttt ctcccagctt ttgagcaggg gttaaagcctc ttaaagagg 299

<210> 4307
 <211> 340
 <212> DNA
 <213> *Aspergillus niger*

<400> 4307
 ggggggggttg ttggcaaggt gtcaccaacg cagtccgatgc tatctacctc ctctccctgt 60
 tgaccctcgg atccattaat tgacgacaag ccacttcggc cccctccggc gccgcgttcc 120
 acccgatcgc ccacgcctag cacatcttat acctcgataa tcttttcacg gcagctcttc 180
 ttctttttct tttggcagca accgttgcta ccgtgcgctg attggttacc ttgcttgctg 240
 ggacatttgt cactttattg gaagagggga gggaatatag aaataaatta gcgaaaatgt 300
 ggattatata attttgata ttcccgatta tctcggcgtg 340

<210> 4308

<211> 358

<212> DNA

<213> *Aspergillus niger*

<400> 4308
 cgaagcagtc agatgltgtt cccctcccaa ctccagctct attctcatct tctttttctt 60
 ttcaatcttc aacctccaca tcaacactct tcaacatgat accctcttag ccattggtctc 120
 gtctacatgc gggacatca gcattggcgtt gacattgcc tggttcatttg ttcctttgta 180
 attttttttag gacaatgact ggatctgtct tgtttacagc ataggatcga tcaactgcgtc 240
 tccttgcttc actaccacag catatttgtt cactggccaa tagagccaag atttcccatg 300
 taccttacta gtttaactgtg aaatcaaacc aagcaaaaaa aaccccaaaa aaaaaaaaa 358

<210> 4309

<211> 404

<212> DNA

<213> *Aspergillus niger*

<400> 4309
 cactgcacga gtgcgcagtt gatcaaatgc cgtttccccc gcagttcaaa ggctgcagaa 60
 ttggtgcctc tgcggggaaa ggagcctcga ccgttgcgct ttggttcgcc aactcggaca 120
 tttcacccgc tttgtcgaa tttccgattc gcattgcttg tgtaataact cagttgggcg 180
 gcttgcattg ttcagcaata tcgagttagt caatgtagca aacacaacgt gctttagatt 240
 gttgggggtg aaaggcgggt tgggactcgg accaaaattg aaggaatgta atcatatgca 300
 aatctggttc gtgggtcggc cgatcgtcgg ctatcaaacc acgcccacac tatgtacagt 360
 caaagctaag aataaatccc aagtacaaaa atccaaaaaa aaaa 404

<210> 4310

<211> 379

<212> DNA

<213> *Aspergillus niger*

<400> 4310
 cagcgcctccc ccaaacccga accatggcgg gtcccagaaa gtctttgata cttgatccgg 60
 cctccagaa atactacgaa ctcaacgcca accgctacaa gtacttcggc tggacgcgc 120
 gccatgcctg gttctcgttc ctctacatgg ctttgattcc cgggtgcgctg ggctatgtcg 180
 cttataagac tgatggctctg taccagctgc gtggaaagcg caggggcgat acgattgtcg 240
 agtggtagat cgattcgatt ctctcaagca tgatggtgat gggaggaaga aaagcgtgat 300
 gtgatgtgat gggacgggct ggatgtgtat ctactactat tataccgcta ttgaagattt 360
 cqkttactam aaaaaaaaaa 379

<210> 4311

<211> 304

<212> DNA

<213> *Aspergillus niger*

<400> 4311
 gaatagcaac gtctggcaag ttctgggcgg tggtaaccgt ctctgtgttg ttgatgccat 60
 ggacatgtaa acggtatatta cttaatttag cagcagctct cagtcatatg ttgctgctat 120
 ttttcacoga ttatcttttt actattctac ttcattctgag agacgtgcat gaggccatgt 180
 gagattcctg tgggagggta gaccccgga cgggtgtttg tgtaatttt tcttggtatc 240

atctaaatga atggcattga ataatcaagc aagacaacgt gcataatact atatctagta 300
 aaag 304

<210> 4312
 <211> 336
 <212> DNA
 <213> *Aspergillus niger*

<400> 4312
 aacccccacc tccggtgttt cgatcatcac gatgtctacg cgtcatgcat cccctcacggt 60
 ggtgcgtttg gtagaggggc ggggaagcta aaaagcattt aaacaacgga cccccattca 120
 ttcgcctttc ggaggtggaa aaacacagcc gcctggcggc tacaacaaaa cttactacgc 180
 aaaaccacgt catcaggcgt ggctcttctc agattccatc gattcttttc cctgattgtc 240
 gacctccgtg tatatcgaag cacagggacc tgtgctacaa gctgaagtac atactctaata 300
 ggattaacca gaatccttcc cctcgaaaaa aaaaaa 336

<210> 4313
 <211> 286
 <212> DNA
 <213> *Aspergillus niger*

<400> 4313
 ttgcagttgc cgagtcgcta aatttcaatc caatggatgc catcagctct gccacgatcc 60
 atttatatcc accattcagt gacgcgcgcta ctactttggg tttcccgac ttgctccacc 120
 atcatgaaca gccatgatcc cagtgtccac cagcacctca agcaacttag ccactattgc 180
 ccgttaacct agataagtac actgatgaca ccacaacaga tcactctgtt cagcgatagt 240
 actactatat ttattactat tcatatcatc aatcattccg gtgggg 286

<210> 4314
 <211> 211
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(211)
 <223> n = A,T,C or G

<400> 4314
 tgggtggacga gatgaatgat ttttatatgg atgggcatat atgcatagtg gtggattagc 60
 ccgttattct ctcttanttt attattatct attacccttg tataacatat accactttgg 120
 aagttactac ccttatttta tgggggttggc tatgtctgtg atgggcatgc atggacagga 180
 actqaaaata taqataaaaa aggatcatc c 211

<210> 4315
 <211> 206
 <212> DNA
 <213> *Aspergillus niger*

<400> 4315
 ggtctctctt ccgcgcgagac tgaagaagag gtaatcaagc gtgagaatct gcagcttggc 60
 gaggatgagc aggaacagat ggacacgcgc gagacgtatt caaaggctgg tgacgaggaq 120
 gatcgcttta acacgactgt ataatttttag gagtttgttt gcatatacgg cagttatttc 180
 aatgaaaagc attggtatt tggagt 206

<210> 4316
 <211> 188
 <212> DNA
 <213> *Aspergillus niger*

<400> 4316
agactattaa actgccgtta ttaagcatat tctgggttta gattatatct atcattatta 60
ttattattat tgctagacgg ttaataacga ttaacctacc cggcccaaag tggactcaca 120
catgggccat attgattgac agtctcctcc ggccctctta gttagctctg ctgccacccc 180
acatggtc 188

<210> 4317
<211> 151
<212> DNA
<213> *Aspergillus niger*

<400> 4317
tacgaggaag ttgaggcata tcagtgtcat ctaagtgtaa ttcaattcat aaggacatgc 60
aatagagcgg ttgaagctag tcaaaccttt tcccatgatt tctttttggc aaaatgcaaa 120
gacggctcag ttatcagaca taggatttta t 151

<210> 4318
<211> 323
<212> DNA
<213> *Aspergillus niger*

<400> 4318
ctgcgactac ataacgagcc aacagcccta tgtcgattgt ggatgtttct ggatataccta 60
tgaggcttca aattaacagg ccgtgtttct cgctgtacgc atcgagggtt agtttggtca 120
attaaagctc ccagaaagaa atatacctcc acgagatgat gcgagatttg accaaaaactg 180
ctatatggg attgtgtaca acacgggtag tccatgattg ctgggtatgt ctgagccagc 240
tctgaatagc aggggctgtg atgcgtatcg cgctcgatcc aacagccgca tacttaagct 300
tattggtttt gaaaaaaaaa aaa 323

<210> 4319
<211> 199
<212> DNA
<213> *Aspergillus niger*

<400> 4319
ggcggttggt gcgagaattt cggcataata acatgtcctg ttaccagagg atatctgctt 60
gaccacaaat ttctaaact cctcttaaat tcaggttata catcgacagc attatttgct 120
caagagctta tcaactgacta ctcttgctcg gatcttacct atccagaaaa agacaaggct 180
attgcttttt ccagcatag 199

<210> 4320
<211> 307
<212> DNA
<213> *Aspergillus niger*

<400> 4320
gtgctagatc tgtcgcgctc caactagggg attctaaagc gacgcgacac aagacacttg 60
gtggatgtgt gctgggctat gcggcctcaa ggtatcagtt ggcacttggt ccgtctgaaa 120
tgccctccgg gaccgttcgc cagagtcagg cgatgtcgtg actcaatata gtggcgggcg 180
agttgaagga tctgctgtga gaagggtgtc gataggaaga agactgtatg tgagtaagag 240
agaggaagac gacaagctcc accggaaggc cagtgggagc gcacaacaaa gactgggttg 300
atggctcg 307

<210> 4321
<211> 619
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature

<222> (1)...(619)

<223> n = A,T,C or G

<400> 4321

ttgaggccgg	atccactggc	ttatgatata	cccgggtggt	ctccccctcc	gccgtaaact	60
ccgtcagtta	ctcttaaate	cgaagaataa	ttgacctact	tcatacattt	aagggccatt	120
tggcatgcta	agaatccgtc	tgtccatgtc	ttctcctatt	caagccttgg	tgtgacaaga	180
acaagagaag	ataagcgggt	cagagaattg	atgtgtaaga	gagacagaga	aagcttgccg	240
ggaacagggt	gccatcggtg	aatatggaag	atacgagtgc	tgagggtgcg	ttgcgtcgat	300
gttgaacacc	atcgctctga	tttgttgcca	gcccattggc	atggcttagc	tttcccacga	360
gcctttctgc	gccgggtacta	cctgaaacac	gcatagggtg	cgttgagatg	cgtgggatgg	420
ctttgctttc	actgcaggca	tggaaaccca	acctgagcag	aatactgtgc	atctggcaat	480
agtcagtact	gggtgttgac	gaaagatana	gggacgagat	gctagaacca	tccagcactg	540
ttatcaaagt	ggttatctat	cogagcgggt	atggacgcng	gataaatgtg	cgtgatttaa	600
cgaacaatcc	ggcctggcg					619

<210> 4322

<211> 304

<212> DNA

<213> *Aspergillus niger*

<400> 4322

ggaacgaact	aatgtacctt	gaggaagacg	aaaccgtcta	cagaatctaa	tcataaagaa	60
caaaaactca	atttaaccac	gttatacgac	ttagagaaat	gggatggata	cctacgtgac	120
ggctgactca	tgcgcagtgt	ttctttacac	ttgcctctat	gtttcctgaa	tacatataac	180
ctgttttgaa	ggatagttcg	gcgtctcgga	tactcaacgt	ttatattact	tgtctctaata	240
tgtctatttc	cttctccatg	tgcattctcta	ttttgatcga	aatgccatcc	atcatacatt	300
tctc						304

<210> 4323

<211> 299

<212> DNA

<213> *Aspergillus niger*

<400> 4323

ggcagggtgag	aagtgttggt	ggggactcat	gaaagggagg	atgccatagt	gtgtttgtta	60
tgttgggtcca	gcgtgcccag	cgatctatca	ccagctccaa	tgagcatgta	ccaactacat	120
atgcaacgga	ccgcgaacga	gcaagcagca	cggcacacac	tgacacgatg	gctgggtttat	180
tgcaagctgt	gtattggagg	ggatttggag	cggggagctg	ctaaaggagg	aagtatcctc	240
cgcgacaaaa	gggcgagctg	aagtcaagac	cgctccgtact	aatataaccc	ctctttctg	299

<210> 4324

<211> 181

<212> DNA

<213> *Aspergillus niger*

<400> 4324

gcaagctgat	acttcatggt	ttccatcaat	atatgctgta	gggaagacta	attatattgc	60
gcattagggtc	atattagttg	gatttttaata	cctggtaatt	caattcctat	atcgatatga	120
gatgggcagc	actgtctcag	gtaacccagac	tcggtaacga	aaatatatac	tactaagtat	180
c						181

<210> 4325

<211> 237

<212> DNA

<213> *Aspergillus niger*

<400> 4325

tgtagcggct	cttgccgtgg	gcgtcgaaga	ggatgagtaa	acgcttgatt	gcgtctcctta	60
ataccatccg	acctggatat	cacttgctgc	gcatacatgc	atgagctqgg	atcccqgcta	120

cccttttttac	ccgtattata	gactttttttt	tttcccttat	taccttgtct	ctactgatag	180
agtcgaatttc	ttttctttttt	acatgtatgt	atgtcattaa	tagtggtaaa	tttagtc	237

<210> 4326

<211> 528

<212> DNA

<213> *Aspergillus niger*

<400> 4326

ggcgcaactca	aagatgtatc	ttgtgatctc	tatcccccg	ctggcttggt	tcccggtact	60
ccgtacagtg	ccgtcggtt	cgctatatta	tatgagcgag	tggacatcct	gaggtctctc	120
cttgaaaaag	ggtttctccc	cgccccctca	gacttagacc	tcgctaaaga	aagaaatttc	180
gatgagggcg	tgtaactttt	ggctccattt	gcgaaacgcg	agttacacta	tcactctgggt	240
atcgcaaaact	ggcatgtttt	cggtttgaac	cccaaataca	cggaggagcg	ggcttcaaac	300
aggtgggcaca	gtaaaatttg	tgctggggga	atagccgaca	catctgggac	cagggaaacca	360
gagccagatc	taggtctctc	tcttccacct	ggggcggttg	atccagagcg	tgaccccttc	420
tgggagtgccg	aagatagccg	taacgggagg	gatcatttca	cagtgtgtta	ttagtatgta	480
gatgtagttc	ggctgcttac	agttaaaaaa	tgggaaacaa	ctgactaa		528

<210> 4327

<211> 216

<212> DNA

<213> *Aspergillus niger*

<400> 4327

ccaggcgcca	agaagggaact	gaaatcctga	cttggattgt	tttactatca	tggtttacga	60
cttctacgtt	ttctttgcgg	cttgtatatg	ttaataggat	gggtcatagc	ttaatgacta	120
gtagataatg	tgccgactgc	ccaggatcat	ggtcgtggat	atgcagcagc	atggatgggt	180
ttatggatgg	tttaatggat	aaccagggtg	aattac			216

<210> 4328

<211> 214

<212> DNA

<213> *Aspergillus niger*

<400> 4328

agaagcaata	gagtgccacc	gctccccggg	aggaacaggt	ataacaacgg	ggtgtgcagt	60
ggatgggtag	tattgggcta	caggaatgaa	ctgctgcctc	ccaccgcacg	acctttgatg	120
acgcgggttc	tgtgcccatc	aatcctggac	acgatccttc	gcctctgttc	tacttgtttg	180
tcaatgtag	ccccaaaaga	cctctgtatc	tcgt			214

<210> 4329

<211> 506

<212> DNA

<213> *Aspergillus niger*

<400> 4329

accatcgcca	aaaagggaatt	ttctgccatt	tatgacaatg	gcaagatgat	catcatctgg	60
aaaacgggtg	agtggacagt	ggcgctcatg	atagccaatt	ctcctgtctt	gtggcctttg	120
cttgactggc	tcgtctcttt	ccattctatg	gagaattggtc	cgtacqaaac	atcqqcatat	180
aaaccttctg	gtcacttggc	aaagggtctg	cgaccaacaa	atttgctgga	atgcactcaa	240
acattgacat	caaagacggc	cgctcgcgag	acaggctcag	tacactcctc	tcgatctatt	300
atccgagggg	tggggggcca	ctggacagag	gcaatcgggc	aagcacaaca	accagatccc	360
tttctatctg	tggagccggg	cgaagtgcga	gtgcagactg	agtggctcgg	tgaacggctg	420
tcaatgggta	gattgggatc	attaaggccg	ggaagaagat	cgtagccgaa	atgataatta	480
aaagttgtag	cacctcmeta	aaaaaa				506

<210> 4330

<211> 194

<212> DNA

<213> Aspergillus niger

<400> 4330
gccagggtctc caaggagctc gaggetcagc tcaaggagat catccccacc ttcaacaagt 60
ccttcaacgc ataggtgagc aacacaatgc tcttgggcga gtagcccgcc atgtaccgat 120
tcaatcctga ctctatgtgt atagacaaga tagcttgtac aatttgaacc cactgtttta 180
tttttttttc tggt 194

<210> 4331

<211> 112

<212> DNA

<213> Aspergillus niger

<220>

<221> misc_feature

<222> (1)..(112)

<223> n = A,T,C or G

<400> 4331
gggacttgac catggttatc gatgacgtga tacatcattt atgacttaca cctgctaata 60
tagagatatg gattttaata tgagttattc ntttgggatg tttgaccagc tg 112

<210> 4332

<211> 110

<212> DNA

<213> Aspergillus niger

<400> 4332
tccacatact ccgcgcagtg cagtacctat agtgcacgg atgagtacga atatgtaggt 60
ttttagttac ggtagttaga taatgggtta gcaacatggt ttctctggtg 110

<210> 4333

<211> 170

<212> DNA

<213> Aspergillus niger

<400> 4333
cggcgcacg tactottata tccgtctggt tagccttggg tatacgtga gccggccatg 60
atggtcacgt taatttggcg gcataaatcc tgccttgta gagaaacagt tcttgagttc 120
agcactttca cgatagtttg acgaataaaa aataactacc tttctccccg 170

<210> 4334

<211> 166

<212> DNA

<213> Aspergillus niger

<400> 4334
ccaacaaaca ccttggttcg tctgccttta tatcttctgt ttccctttta ccactttccc 60
ctctattcct ttgtctccc ttcttgggtg attctctccc ctctgttttc cttttttttc 120
ttccctatat tctaaccaga tgagaattg atctgattaa cgtctt 166

<210> 4335

<211> 130

<212> DNA

<213> Aspergillus niger

<400> 4335
tgcgtacagg atctaattgta gatggttttt ggagtgttgg aaaatcagat ggctagtaga 60
cgagaagaca cacagtgtt tcttcccgtg tcttgggcca tctaaggatt gcataatgtcg 120
ttcacctgt 130

<210> 4336
 <211> 438
 <212> DNA
 <213> *Aspergillus niger*

<400> 4336
 gggagcggac ctgaaggagt cggaacgcgg atggtccaca ggcgagctgc tgaagatgca 60
 caaacagctc cgaccggacc ttcaatttca atacaacgaa atcctcttca gtctactcat 120
 gctccatccg cccattcgag gaatcgatgc atttgaggaa gaactgcttg gccaatttg 180
 agcgagagcg acgacaaaaa ttacttttcg agataccctt tccccctgcc gacattcacc 240
 tactttttagc cattgttttc ttttcttggt ttgaaaagaa gcgtgtgttg tgttatgttg 300
 tattgtgttc tgtatgtttg tatatttcgg gcagaacaga aaaaagtact gattaggtac 360
 gaatccaaaa cccatgattg ttttccgcga cgtgcaggaa cgtcgcagca gtcgtacatg 420
 aatattttaa aaaaaaaa 438

<210> 4337
 <211> 375
 <212> DNA
 <213> *Aspergillus niger*

<400> 4337
 ctgcaccac gaaagcgggt aagtgactca cattgtgcag attctttttg catttccgtc 60
 tgtctagcgt gtaggggact ccgttcccac gctaatatcc agagctggct ctgatgctcg 120
 aaatttatga ggaaacgaaa agtaccaaaa agtttgggat ggcgttctaa aattgtccat 180
 tcttgggata cacaaaaaag agggatacag ttttatgatg aaatgaagct tggatgtgac 240
 atgcttgtat actctaaacc cggagatttc ctgtatccta gtagatagac ctgagcgccg 300
 tacagtatca gtatgtacgg cttgacatta gtcaaaaaaa tgtcaccatg ataattcatt 360
 catacaaaaa aaaaa 375

<210> 4338
 <211> 420
 <212> DNA
 <213> *Aspergillus niger*

<400> 4338
 cgtcgaaaga ccgaacacgc cgtgcttttg atgtccccc tctttccatc aaagaggtta 60
 gtcactcctt tggcagttac ctgccgcgcc aattgaagcc gcctttgagc atgatgctat 120
 aaaatgcaag aaagaaaacc aagaaagaca aaaaaaaagg gtaccacca tctggatcat 180
 ggcagtctgc catgaaggag ccagatgcgc tacgtggagg agatgggata gttggggatg 240
 tgggagagga aataggaagg aatttggaaa aaaagagaca agaaccgctc tataccggtc 300
 tcggatggta tagccagggt gatgaaggat gaaatgaaac gagcgacgtc aaggctcatgt 360
 tagctacgtt gttcacatag gatacgaatg atgagtgatg acttgcctaa aaaaaaaaaa 420

<210> 4339
 <211> 400
 <212> DNA
 <213> *Aspergillus niger*

<400> 4339
 taagcaggca ctcactttat ggacaaaagc ttcactctatt gtacgattgc acgatcggct 60
 ttctctgaca tggctttgaa gatatttggt tttccgggtg gcactctatat acctataat 120
 ctctggcggc tttgaggatc ataccatctt tacgacccca tggagagcgc ccccgacagt 180
 tctttgttac caacgcctgc tegtgtgat tcttcttggt caattgggtt gcactcctct 240
 gcgttgtgtt tctgttcagc tctgcgaagc ctaaccgggt tttttggtgt ctgcgatatg 300
 gtttctgttc tttttgatct taggataacc cgtgtagata gggctgtccg tatagaagta 360
 catagactaa taccactttt tcttctgcga aaaaaaaaaa 400

<210> 4340
 <211> 563

<212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(563)
 <223> n = A,T,C or G

<400> 4340
 tctgacattt cgcgtgacac ggtgaccatg ggataaatcg tctgccgacc atgacaccgg 60
 gcagaccggt ctgcaatatt tgagggtttta tacggtagca cgcacatatg cgcgcacatg 120
 atactcttac acttggtgac accatcaagt tgattattat ctgagtcctc agcgcacagc 180
 caccgaatta cacaccatag cacagtggac cccgagcaga gagtagacga gacgatgaaa 240
 cgaggccaaa cccacgactg aattgagcca cggccactg atcagcgaca cccaccattg 300
 ccgacaccac aaaagggggt ggtcaagcaa tctttcgggt gtggcttgaa gggcgcgctg 360
 cccnacctcc attagacacc tggcatcgat ccgctcgagg catctctctt catgaggggc 420
 gacgcagctg taattacttg ctccacactta cgtgtccgtg ttacaggcaa ccaggctaat 480
 gtcccataac tgtaaggggg aaagaggggt gggcaaaggg aaatggaaaa agatggaggg 540
 gtaaaaagnc cngaacgga cct 563

<210> 4341
 <211> 336
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(336)
 <223> n = A,T,C or G

<400> 4341
 ngttccttga aaacgctgtc cccttacnac aagcngtctt tttcaagcaa gcaacgacgg 60
 naagcgccaa gtgggtggaa agactgancg caattgggta cctcatgtgg ccctacctga 120
 ttcccgctta cggaatgggc atcgctacca cctacgctat gggctcgatg gtctttggcc 180
 acaagacctg gttcggcaag gcgtaaatgg ggtcctcgcc aactttgaca cagtgtacct 240
 ctattttctat gataggcagc tagaaagaaa gataactgac gttgtatata actttctcca 300
 aagcgtcaaa gcgttaatat ttgcaaaaaa aaaaaa 336

<210> 4342
 <211> 343
 <212> DNA
 <213> Aspergillus niger

<400> 4342
 gggacgcggg tggacaattt cacttgaggg acttggttct caactcatct tcaacatgag 60
 caggcgctga tgccacctct tcttgattat agcattgccc gctcatctgt tcggttcctg 120
 ggcgttttcc aaacgcattc agtaaatcct ctattttgtt ttccagggtg tccaaatgat 180
 tttccagcgc tagagctgtc atttcgccac tgggaacagt ctttttagatg aggacaagaa 240
 ttgattgtct tgcacgcata ccttgtaata tctttgaaag cctggttgcta gcgattagca 300
 tcttcgtgtt gaattgtaga atactttaag ggcgcctctc qgc 343

<210> 4343
 <211> 255
 <212> DNA
 <213> Aspergillus niger

<400> 4343
 ccgtatcacg acacgactca tgtacgtttt gcgaagcttg ccattcatct ctaactatga 60
 ccttgacgac tatgacatg catgcactct gcattagcga aaatgttcat tggttttgga 120
 catattcctt ttattttctc tttgcacac actgcaccca acatccaaaa ttcaatttaa 180

gccgtgttga tcttctttgg catgtatatc atgatatggt tttctgtttc aaaaagaaag 240
caacgtctat ttaat 255

<210> 4344
<211> 300
<212> DNA
<213> Aspergillus niger

<400> 4344
gtgatgtggt gatgggtatg tactgtggcg accggtcggt cgggttcagc cttgtggttt 60
ttgaaccacg agtacagagt acagagtacg ggggtactcat gtaggggata tcattgacat 120
ttattgagaa ttatacatgt cctgtcaagt catgtcgtgt catcctttaa ctctggaaag 180
aatgtgagat tatgtggtgt aagtgtgtgg gtgtgtcaaa ctgacacatt cctcggatcg 240
gtcagcccaa ctctactctc acatccgtcc ccaagtgtcg gtctggcaga cacgtagctg 300

<210> 4345
<211> 205
<212> DNA
<213> Aspergillus niger

<400> 4345
atgccattga ggccaatcga tgcgagccat ggatcaggta cattgggcct gtggttcaac 60
cattagaaca gactgaaatt gtaaaccatat tgcgtccaatc taatggtcac aatgcactaa 120
catccagtgg ccgtacgtag tgcgaaagtg aaaataataa aataaaaataa atagaaatga 180
gggcaataat caaaagtcag ggtgc 205

<210> 4346
<211> 198
<212> DNA
<213> Aspergillus niger

<400> 4346
cagcagtgt agtatatcgg taatatgtgt ttcttggagt tgggacagat aaaaggctcct 60
ctttcagtca gtgatgactg tccagctatt gacctggatt gtgtggcagt tatgcaaata 120
tggactctgt tacctggatt gccagagtgc atgtatctgt ctgtattata gttcatttct 180
acatggaatc agaaaaat 198

<210> 4347
<211> 195
<212> DNA
<213> Aspergillus niger

<400> 4347
aacaaagcat cggcaggtac ttggccaactc atcatccttt ccgctcctac ctcggttgga 60
agccgtatca gtagggattt caaaattatc tattcgctc ctgagtcagt ctgctgcatg 120
ggtgattata ggacatgagg tcaccactga cgtgggttcta ttatattgat agtaagaggt 180
cattgcgaac gatat 195

<210> 4348
<211> 167
<212> DNA
<213> Aspergillus niger

<400> 4348
tggatgttga tcttgagggt ggatttctca tcttggttgg tgatatcgtt attgggttgt 60
tqtaacctta ttactttgac gtgtatgttg gtatgagggg ggggatgtat gtatgggtact 120
tgatggcatg catgaagaat tgatgaatgg aatgaaatgg atatatg 167

<210> 4349
<211> 328

<212> DNA

<213> *Aspergillus niger*

<400> 4349

ggaacactcc	accgttgagc	ggaatcccgc	caacaggcat	ggctggctga	gtggagctat	60
ccgagcgatg	tgggcaaacc	ggccaactag	gcgcaggga	caccgcaaag	gcgggtggat	120
tccggagaga	agaaaccact	gcgagcacga	aaatattcgg	aaggttgaat	gctcaccgc	180
aaacggatct	atcgccccga	ccgatcctga	tgatatggat	gagatcaggt	gaaccgaaat	240
tgatcatcaag	agccggccct	cgcggggatc	agacgtgtac	aataggcctg	catgaaatga	300
aaactgctat	cttcacatga	aaaaaaaa				328

<210> 4350

<211> 352

<212> DNA

<213> *Aspergillus niger*

<400> 4350

cgcagagcga	gatagccaaa	caaggcgagc	accataccta	gccatgccat	caccaggtct	60
gcgcccctgaa	ggcacacgtg	gtcagagac	tctcaacta	atgaaaccac	atgctcgctt	120
tttcattgag	cgtaataaaa	gcatggtcag	catcaaattc	gatcctcctc	cctcaggacg	180
atatatcctc	gtcaaattat	ggagtcctca	cagcgcgctt	tatcaagaag	gtgggtctaac	240
ttgggtgagg	aaggtttgat	cttctacttg	gtggttgcc	tttgtttaact	agacgatgga	300
tgccacgagt	atatgtagct	agactatact	atcaaagaga	aatatattag	tc	352

<210> 4351

<211> 398

<212> DNA

<213> *Aspergillus niger*

<400> 4351

ttcagctggt	gaatggtggt	ggagaaggac	aacaaatgca	atgcaaggac	ttcgataagc	60
tggtagcctg	gtcgaaggca	ccggaacgca	atgcttgcta	caagcgactg	accgactaca	120
agccgatcgt	ccatagcatt	gagcgctatg	ccttctgtcc	tgaggatagt	gagcactacc	180
cgacgatgag	caagtatttc	gaggaacacg	gacattatgc	cgatcctttt	tcggaataga	240
caagggcgag	gctgatttga	atcggttggg	gaggggtgaaa	agcagccaag	aaaggccagc	300
cgaggggagg	aggggaaaag	ggccttttag	cgccgaaaac	cctagtcagc	acctaattta	360
gtctattttag	cttcaatgca	actaagaaa	tagcaccg			398

<210> 4352

<211> 366

<212> DNA

<213> *Aspergillus niger*

<400> 4352

cgctgcctac	ggtggtgccg	ctggtgccgc	ccccggcggt	gctgcccccg	gtgctaccgc	60
cactgctgac	gaggtcgagg	agcgccctga	ggagctcgac	taaatgcttt	aaaaagctgc	120
ggtctcgatt	ctggtcttgt	ctttcttcat	tatacctcca	gccgttttgc	agataggcga	180
gcggttttaa	tggattttgt	tgtttctttt	tcctagtatc	atgttaacga	atztatggga	240
atcacttttc	tttgtctatg	catagattcg	agttgctagt	tgttactgca	tgatgacttg	300
ctctgcagac	tatgggaggg	aaaaagtttc	ctttcgacga	atacattact	ttaattcaat	360
tcgtgc						366

<210> 4353

<211> 387

<212> DNA

<213> *Aspergillus niger*

<400> 4353

gcgcattagt	tgcagccttt	tattctgctt	gatgtaccgc	gtgggcatgt	cccggccttt	60
ctctcggcca	gagaggacgc	gccggcggtt	tcggaccccq	ccaggctcag	gcgccttggg	120

gaagtagcgg	tgcggtcttg	tgatttatta	tcttagccag	tcagagagat	gagcatccaa	180
ctgcctctct	cgtttcctct	acacaggtaa	ggctgaaaaa	gaagcatcca	actgctctcc	240
atcagataag	ccctcaccga	gtgtctttgc	acacgtcaag	acaccgaggg	tggtgggtga	300
ccttgataag	aaaagtgttc	gatcgtacat	agattcgtaa	tggtaaatag	atgtgttttg	360
tcattctctt	agaaaaaaaa	aagaaat				387

<210> 4354
 <211> 437
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(437)
 <223> n = A,T,C or G

<400> 4354						
cttaaattac	ctcaccgtca	tgaactatct	tagaaccgcg	ctgccgaaca	ttgctcactt	60
atccgtgctg	gaaacaggcg	gtgagtcggc	aaccgcacag	tcagggactg	taacattacc	120
acgcccttat	ttaccgcgca	tagacctttg	gcgttgctgc	gttggaacga	tacagataca	180
atagagtcct	gtctccttcc	gcgaccgctg	tctacatatt	cccttcttgt	tccctttttt	240
accctccatt	tcctatgtgt	cctctacgaa	tgtgttcctt	ccagctcttg	tgtgtatcat	300
ggttttaama	caatttggtt	gcttgagacc	ataatgaatt	gaagagatct	cctctcacat	360
gacacnntag	aatacggaga	gangcgtgtc	ngagattgct	gcggctatga	tcccaatcgg	420
atggaaaggg	angttcc					437

<210> 4355
 <211> 283
 <212> DNA
 <213> *Aspergillus niger*

<400> 4355						
ggaagattct	ggggatcata	ccgaagcttt	ggtcaacgat	ggtcgcaagc	atcaaccgcc	60
taatgctctg	aggctatgga	gacttgagga	tgatcatgacc	cgttggttct	tgccctctct	120
cttctctggc	ttgcgctggc	cattttccatc	tacagctaaa	tcattgcttct	ctccactatc	180
ccgagaaaaca	gggaccgtag	tcttctttac	ccgcttcttc	tttttaacca	atgttccgct	240
ggaggggaact	cctgttggtg	ggaccgcgtc	tgactccctt	tgc		283

<210> 4356
 <211> 342
 <212> DNA
 <213> *Aspergillus niger*

<400> 4356						
ctctctccag	ggatgggcaa	ttggcatttc	ttcctttctt	ctggaatctg	tcgattccac	60
cgtttaacga	acaaagctct	ttttctctcc	atttctcttt	ctctccacga	aaccttctcg	120
tgaacctctc	ggacatgaat	ctcgggatgt	caggcgatgc	gacatcaggc	gagtgaacca	180
gcaggtggcg	aaggcgtctt	agcgggtaca	tcggctctct	gtacattttg	ttttgtgtgt	240
gtttgcagta	gatattttct	tccaagatga	tgaccttgat	tacgaagcga	ttttgttaag	300
ttagagcaat	gacattctgc	tacatgctat	caaaaaaaaa	aa		342

<210> 4357
 <211> 196
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(196)
 <223> n = A,T,C or G

<400> 4357
atgatacgt agctnagctt gggtanccng cttatcgata antcnagctc caaaaactngn 60
aacgaactcc ggttcaacna gtaccggccg caattgngcn ggaattctgc agatgatgag 120
ggcaattggn tatatgatca tgtatgtagt ggggtgtgcat aatagtagtg aaatggaagc 180
caagtcattgt gattgt 196

<210> 4358
<211> 112
<212> DNA
<213> *Aspergillus niger*

<400> 4358
aatccgtcaa aactcccca taaccgtcag tcaatgcac tatggttttt gtttggtgtt 60
tgggattcgt tatagcgta gattatagtc attgtgaaac agtgttcttt tg 112

<210> 4359
<211> 316
<212> DNA
<213> *Aspergillus niger*

<400> 4359
gcaccttcta atcttcttgt atctgattca tttatgtgtg tgtatttggg gcatgacaaa 60
gggctagtgt gaaggagttc aggagagacc tagccagctg ctaaggcttg ggactgatga 120
ggagactgta tcacagccgg actcgtttgc gtctggatgt ataacaacc tgggggatta 180
cataaaggac agcaataggc agattgccga tactgagatg tatctcggag atacgatcta 240
aagccattgt attgcagacc tgaactacta gctgacatca tggcttcaat gaaacctatt 300
gcttgaaaaa aaaaaa 316

<210> 4360
<211> 315
<212> DNA
<213> *Aspergillus niger*

<400> 4360
cgctgatgta ctggatctga cccaacgtgt ggatatgcgt tcgctaggaa ccatgtcgac 60
acaagcgctg cgagatgcat tggacgccta cgagaacgac gtcttcaggc gcgcagagcc 120
tagtgacttt aactcgcgcc aggcctgtgt cgacgctcat gacttcacac gtatcctaga 180
cgagagcccc ctcgatatcag cccgcgtgct gaaggaggat accacggagc aatagtctta 240
gccagagaat catcacagtg ttgcggggag gcagcataga taattccttc aattaatcac 300
aaacctata attct 315

<210> 4361
<211> 487
<212> DNA
<213> *Aspergillus niger*

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 4361
tcgagtccca tctacgccac ttacctagct accccggtga tcaactacca aagtttgcgt 60
caccgctgta cggagccacg ttgatgatac atagtacata aaacatacat ctggccacta 120
ggcacgtatg gagcctgggg agaaatgggc taagaatacg cgcctggagc aaaagtacag 180
tgcaggaaac cagaagaatg aaatctattg cttctctaca tcatcacaca cttcataagt 240
ggcccagaat ggattttaca cgaaccaagg gattttcttt cctccttcta tgattggatt 300
gaagccagat cttctccaca gaaaacttcg acttangcag atcagcaact gagacaaatg 360
ccgctttgat tcagaccggg ntcttnacat actaataact actgntgctt cttggctaaa 420

ggttgcaccg ttgacttcaa tgcattcatt cccatcctag cattattaca acctaagact 480
accacat 487

<210> 4362
<211> 384
<212> DNA
<213> Aspergillus niger

<400> 4362
cagtaatctt ggatcctcct ttattgaggg aatatgctat gaaaggctgg aaggatagac 60
ccttccaatt caatcaagtg tgacattatg tcttgcccta gaggtatcaa cacccttctt 120
ataatttttg cagtggcaac ataagtatct gtcccttgac catatgtctt tctcgaagag 180
aaagaccgcg gaaagtgcag cttgagatgg ccgaagccca ggtttggaat acagatcggg 240
cggattaagt caatcgatgt gtgcataatc atggcgctctg tgatataacc tcaggaaccg 300
cccagcctga ccggaacac ccgccatttt cctccctccc cctgcctctt tggatgggtt 360
agcagaattg atgggttcctg aatt 384

<210> 4363
<211> 349
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 4363
nantacatca caaccacgga agacggccac gccgaagatt ctgcattctgt tctcagtgac 60
gcaactacct tggtcagag caagactggg cccagaagg ggacttctgt ccaacagggc 120
ccggatagcc tgcactacgg ctctaccgga tactctatga gaggcattgt caccgcgcga 180
tgatgttgct ggctacatct ttacgcacgg aaacgacctt cttggcaaga aacgggctgc 240
gcgatggatg tgcaagaagt ctctattcat tgaaatatat gtaatactta atgtctcgtt 300
atgttttgaa atttaattga atatgatggg nttttcaaca tgaaaaaaa 349

<210> 4364
<211> 318
<212> DNA
<213> Aspergillus niger

<400> 4364
aaaaagatct ggatgcgac catttccctc cactagcttt ttggccctcg tgtgtggtga 60
ccttttccgc ttttcttact aaatttagac actcactacc aactcttttt tcttaggttt 120
catttcttcg tttcttgcac ctattgggtc ctgatttttt tcgggttcgc gatctagatc 180
tgggctctct tccgtccaac ggttacaatg ttgggggtta tgcacgctat accattgcac 240
cggcggtggg gtttcgtgtt tggtcgggtt tagataacgt cttaaacctt ggaatacact 300
tttcaatata atgggtgc 318

<210> 4365
<211> 317
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

<400> 4365
ctctgagcgg gatcgtgtga tccgcgtcac gcaaacggc atcaagcacg ttcttcgqqa 60

aagatggtac	gcctgggagg	aggcacagcg	tctctacaga	aagggctacc	ggcctcagga	120
ggatagccag	gagtaagggc	atcggctcta	tgagggataa	cacaaaagga	acggggggtt	180
gaatctggaa	gctccgatag	aaactattgg	tctgtacttt	tgtatgtagt	agtatgtagt	240
atatgttctt	ttattattgg	caacgtttgt	tcttttctt	ttctttttca	naaaaaanaaa	300
acaaanatan	acaaaaa					317

<210> 4366
 <211> 362
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(362)
 <223> n = A,T,C or G

<400> 4366						
aaaatgatga	aagcctagtg	tggtctatat	gaacccatct	ctcttctctg	agcccttctg	60
gctctctttt	cggggctaaa	gggctgatgg	gttccgggtg	agagtgggat	gaaataggcg	120
ttcggcacac	caaccttggt	acttgacgga	cgcgattaag	gcctctctga	ttcacacatt	180
acttgagggt	gttatgcctg	ggggagcggc	tatgctgtat	gacccttact	gggtctgatg	240
gcgcctatga	ttgggctctg	cagcaatgcc	ccaggccatg	tttagttagg	atataaagca	300
aattcgaaat	cttgtttata	ccattaaaaa	aaaaanaaaa	naaaaaaaaa	nnaaaaaaaa	360
aa						362

<210> 4367
 <211> 481
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(481)
 <223> n = A,T,C or G

<400> 4367						
cttggtgaaa	gaggagtcac	tcctccgag	gagggtgaca	actgcccttc	tgtcaactgc	60
gaggtgggtg	acactgcgtg	cgttgaggct	tacctccagc	ccgatgacaa	cgaggctact	120
cacggtgccc	ccattgacac	tcagttcact	cttactctgg	gttaaaccgga	tccttttcaa	180
tcaatcggat	caaaaagaga	tggagttttc	ttgttttttg	aatataccat	gggtcggatg	240
ggtttggttt	tgagttctca	tgtatagatt	gacttgatct	gcctcctgga	tgagttgcac	300
aagacaaagc	agaacacaca	acacactcac	ttttttcgct	tcgtgaatca	caccttangt	360
ggatctgctt	gctgtgctat	gcggtatgta	tgtagtgtat	tgagatcaca	tgaattacgc	420
ctatagactg	gtgttngtag	acaaaaaaaa	ctccaacaat	tactttccca	aaaaaaaaaa	480
t						481

<210> 4368
 <211> 289
 <212> DNA
 <213> *Aspergillus niger*

<220>
 <221> misc_feature
 <222> (1)...(289)
 <223> n = A,T,C or G

<400> 4368						
ctcgtagtcg	agatggagca	gcccgtggag	cccccaagtc	cattgtcagc	gagcttgcca	60
ccgttctagg	cgatgttgag	gctggcatac	taggcgtggc	cagccgtctc	ggtggagtta	120
ccgagcaagt	gcaagaggta	gttctgggcc	cgccctctgt	ttcatgaatg	tctggaagtc	180

tgtgcattga catcacaaca tcgtcttcat gtaaattacg gatggattta gatttgatga	240
agcataccta aattcgctac atatgaggcg aaacttgata caaaaaaan	289

<210> 4369
 <211> 227
 <212> DNA
 <213> Aspergillus niger

<400> 4369	
gttatttcate cccagtcata tactgcgggt ctgttatatg gttgttctgc ctttctgttt	60
ctatggccgg ttctgatgtc tcccacttat cgggattgac tcgtggccac taatctttct	120
acctgggtgta cttgacttat ccgagtgcct tttctgttat tattgttgcg cttatgtacc	180
agactgtgaa ctatggtatt ctccaattca aagtatctta tatgcgc	227

<210> 4370
 <211> 248
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(248)
 <223> n = A,T,C or G

<400> 4370	
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actactcttc atccctctct cgtgataccc tacctttttc tcgatgtcaa catgtctaca	120
tatcgactca cgctgcgctc ttttttcgct ggtataacctg atttcgcctt ccaaggtaaa	180
ccgaatgctt cgatatatgt ggggtgtaga attactgctt cttttttcaa aaaaaaana	240
ngatcaa	248

<210> 4371
 <211> 203
 <212> DNA
 <213> Aspergillus niger

<400> 4371	
ctccagcgct atcagctgca acgaaaacaa cttcaatgaa ggaaatggat accttcttct	60
ttctttctatc acattgatta gattaccggg catggcttct ccccttttg catatcctca	120
cggcatgtac cgtacacttc tttgctgctt tcataggcat agccatagcc atattcaaac	180
atagcatgac catacattaa ggc	203

<210> 4372
 <211> 187
 <212> DNA
 <213> Aspergillus niger

<220>
 <221> misc_feature
 <222> (1)...(187)
 <223> n = A,T,C or G

<400> 4372	
ncangtcagc gtcagcatta tncacagtga taccangca gtcgcggctg cggctctccaa	60
attttaatgc gctgatgagg aataatggcc tgaatttatg tcatgtacct tgagtgtaat	120
ctatcatgto tottccctag cctcggttaga cagtattaga ttgtcaatac ataacgtgto	180
tggttcc	187

<210> 4373
 <211> 198

<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(198)
<223> n = A,T,C or G

<400> 4373
ncgagagatn tggggtcggt ccnattatg tattattggt tggcttaatt tcccanagtc 60
gtgtcattgc gagcgaaagg aatgattttt ctttttccac tatagacatc atccccgcat 120
cttgtacata ccctgggctg ttgtgcgtct gtatcactac agttggacca gaagagcaag 180
agattctgta tgcttcgg 198

<210> 4374
<211> 158
<212> DNA
<213> Aspergillus niger

<400> 4374
ggaagtttcg atgaagagca tatctctctt atctctctat tggctcttatt atggagcacg 60
atggaggttg tctttctagt agtttgatata tcattcatca tgggatttca tctaataattg 120
cctcaaatga ggacaagtaa aaatagttct cgaccgtc 158

<210> 4375
<211> 285
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 4375
atcgaataca acgtcaaaac cacaacaagg tccatgggat tcattgttga tgcgaccaat 60
acaccaacgc tgtccctttt tctcaccatc agttgctggg caatgatttt gaaggcatgc 120
attcattgac ggggtccgagt aatcactgca tgttcogaag aagcacactg cccacaggat 180
gaaccctcaa gtgggccaca gggcgtcagc aatanaatgg tcatgtagcg gctacgtctc 240
tcaatctcac atgagttatt tttcgggaaa aaaaatnnat aaact 285

<210> 4376
<211> 234
<212> DNA
<213> Aspergillus niger

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 4376
gtctgggaga aagatccttg gccaaagggg gggatcggcc ccntganaaa gnggatgac 60
cttacctccc gcangcaaaa atcctttcgc aagggtttgt tggtgaggag aaangaaggc 120
caaaqaatda actgtaggat attgtatgga ttatgacttg tttagctagg gtatatgac 180
ctagttttctg ttactctgta tgatatcaag aggcagttat gaaccggact aaaa 234

<210> 4377
<211> 683
<212> DNA

<213> Aspergillus oryzae

<400> 4377

ctaataataa	cagttgctca	tatctccagc	ctctcaattc	tgttgctgcc	cggccttctg	60
atcatcgatc	acatccattt	ccaatacaat	ggcttcatgt	acggggttct	gatcctgtct	120
atcgtgctcg	cacgaaagca	gtcgacgctc	ctctacagcg	gcatacattt	tgccatattg	180
ctctgcatga	aacacattca	tctctatctg	tcgttggcct	actttgtcta	cctgctgaga	240
acttactgcc	ttgaccctaa	gtcgggtctt	cgacccagat	ttggaaatat	cttcaaactt	300
ggctctgggtg	tcacagtggt	gtttgctgta	gcattttggtc	cattcatcta	ttggaatcag	360
ttgctccaac	tgaaagatcg	gctcttcccg	ttctcaagag	gtctgtgcca	tgccactagg	420
gcgcctaaca	tctgggcaat	gtattccttt	gtggaccggg	ccctcattct	acttgcccca	480
cgtctgggtc	tttcaatcaa	cgaggaagcc	cctacgagtg	ttacacgggg	gtcttgtctg	540
aaacaccttc	tttggtgttc	ttcctgatgt	gacccaagaa	cacacttttg	cgccactttt	600
tctgtttcag	ctgggtccgt	tatataaata	atggcggcac	cctggcgatg	ggaacttttt	660
ggtggtccca	atactcttag	cca				683

<210> 4378

<211> 643

<212> DNA

<213> Aspergillus oryzae

<400> 4378

gatcgacgtt	cgtaagaacg	ccaaggcttg	ggctcgtacc	ctcgctgccg	ctgagaagat	60
gaagaagggtc	ctttcggcga	accctgctgc	ccccatgagc	atcgaatccc	tgatggaggga	120
cgtcgatgtc	cgcgccattg	tcaagcgtga	ggagctggag	accatggttc	agcctctcct	180
ggagcgcgtc	cttggttcca	tcgagcaggc	cctcgccgag	gccaagctca	agcccaggga	240
tattgacagc	attgagatgg	ttgggtggctg	cactcgtgtc	ccctccatca	aggaggccgt	300
ttccaagtcc	ttcggcaaga	acctttcctt	cacctgaac	caagatgagg	ccatcgctcg	360
cggttgtgcc	ttcagctgtg	ccatcctctt	ccccgtcttc	cgtgtccgtg	acttctccgt	420
gcacgacatc	gtcaactacc	ccatcgagtt	cacctgggag	caatccgcag	atatccccga	480
cgaggacacc	agcctgaccg	ttttccgtcg	cggcaatgtc	atgccctcga	ccaagaatct	540
tacgtttctac	cggaagcaag	cttttcaatt	tcgagctcgg	tacgctttcc	ccccgagaac	600
tttctgggaa	agaccgaccc	ctgggtgggc	cccttttttt	ttt		643

<210> 4379

<211> 851

<212> DNA

<213> Aspergillus oryzae

<400> 4379

cgagggacga	cagcaactcaa	ctccacgacc	acccaacgac	ccttgcccgc	tgcgttcctg	60
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cccgccacaa	gcgctcggtt	accggtgcta	agaggggcac	ctaccgcaag	aagagggcgt	180
tcgagaaggg	tcgccagccc	tccaacaccc	gtatcggtac	caagagaatc	cacctgggtc	240
gcacccgtgg	tggtaacccg	aagttccgtg	ccctccgtct	cgagtcgggt	aacttctcct	300
gggggttccga	gggtatttcc	cgcaagaccc	gtgtcatcgt	tgtcgccctac	cacccctcca	360
acaacgagct	ggtcctgaac	aacacccctg	ccaagtcggc	cgtcgtccag	attgatgctg	420
ctccttttcc	tcaatgggtac	gaggcccact	acggccagcc	catcggccgc	agacgccagc	480
agaagaccga	gaccactgag	gagaagaaga	gcaacagcgt	tgtgaagaag	caggctgagc	540
gcttcgccga	gagcggcaag	gtcgagtccg	ccatcgagag	acagttcgag	gcccgtcgtc	600
tctacgccgt	cattgcttcc	cgccctggcc	agagcggctg	tgttgacggg	tacatcctgg	660
aqgggtgagga	gcttgctttt	taccagaagg	ctatcaggaa	gtaaaaaagg	aaaatcgtgt	720
tgtaaaaggg	tggtatcgga	gtttcagcaa	ttttttccag	aatacattta	tgatctctgg	780
ggcactacgg	gtgcattgtg	tgtaaagctc	tgagctgtca	gcaatggaat	gatcctcgtt	840
argttcgtgc	g					851

<210> 4380

<211> 1129

<212> DNA

<213> Aspergillus oryzae

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<400> 4380
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gatgtaaaca tgccggatat tctgcgtcag attatctgcg gtgttcggta cctgcattca      120
ctcaagattg ttcaccgtga tctgaaacca cagaatatcc tagtggccat gccagagga      180
cgttctggag cgcggctcct gcgctctctc atctccgatt ttggcttggt caagaaacta      240
gaagataatc aaagctcttt ccgagccacc acggcacatg ctgcgggaac atctggctgg      300
cgggctcctg aactcctcgt tgatgacgac aagagctcgg taattcaaag tactgagtc      360
cagcataccg agtcttcgga gcctgctgtt gttgaccccc aaaccaaccg acgagccacc      420
cgtgctatcg acatcttttc tctgggttgt gtgttctact atgtcctgac caggggcagc      480
caccattttg acaaaaacgg caagttcatg cgcgaggcca atattgtcaa gggcaaccac      540
aacctcgacg aactcgagcg cctgggtgac tatgccttcg aagcccgcga tcttatccag      600
tcgatgctgt cacttgatcc acggaaaacga cccgacgcca gctcgcctc gacgcattca      660
ttcttctgga atccatctga ccgtctcacc ttcttttgcg atgtatccga ccatttcgag      720
ttcgaaccac gtgacccacc gtccgaagct ctccgtgtgc tggaaatccg cgcgtcacgc      780
gtcatgggccc cagagatgga cttctttggt cagctccccc cttccttcaa agacaatctg      840
ggcaagcagc gcaagtacac cggttcaaaag atgctcgatc tccctacggg attacgtaac      900
aagtgccatc actacaatga catgcccgag catctgaagg cccacatcgg tgggtcttgcc      960
gaaggatatt tgagtttctg gaccgtcaga ttcccagact tactcatgag ctgtcaactc     1020
cgtatcgggg atctcaagtg gacgcggaac gaccggtttg aaccgtacct taacgtgcgc     1080
gattaaaaaa atgtttttgtt aatggatata tcgaataaat ttgataatg     1120

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<210> 4381
<211> 676
<212> DNA
<213> Aspergillus oryzae

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<220>
<221> misc_feature
<222> (1)...(676)
<223> n = A,T,C or G

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<400> 4381
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cggcactcga accattccag gttctcagca agatcttaga ttttgcaaac gaggaccagc     120
gagactggtg gcacagtacc gggccaatgt atgccaaaat cctaaaggat gcaggctacg     180
gcattcatgc ccaatactca tatctctgtc tccaccacaa atgtgtggtt ccgtatctgg     240
gcccttatcc gggaaaacggc agagaccgat ggatgagcat cctcagccga ttcggtctac     300
cttatgaatt gagcctgaat tgctctaatt cggctcgtgc gtttgcatte gagccattg     360
gacctttatc agggactgag caagaccctt tcaatgcaca tgtcatctgg gaatgtcttg     420
ggaaactcgc gaagctgggt totgattttg atctccagt gtttgcccaa ttcaagaagg     480
atctggtttt agatgcagag gaaaacgaagt ttgttagaga caacggtctg gacaagggac     540
aggttaagac tcagaacaaa ctangcgtgg acttgaaagg tggaaaaattc gaggtcaaga     600
tgtacatgta tcttatctg aaatcgggtg ctaccggcat tccaattgag cgactcatgt     660
ttgatccgat tcggaa
676

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<210> 4382
<211> 648
<212> DNA
<213> Aspergillus oryzae

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<400> 4382
ctttcccttc ttctctctct cttgttttta tgccttgatt ttcttccgc tctttcagct      60
ggcccttcca ccagcttcat tttctttttc ctcccgccct accttatcat gtatttgga      120
gctggaaagt cacaatgagc ggacttcgct accttgatct aatcaagccc tttaacgcac      180
tctcccgga ggtggcagct cctgagacca aggtgcctt caaccagaag ttgatgtgga      240
ctgggttgac actcctgac ttcttggtca tgagccagat gcctctctat ggtattgtct      300
cctctgacac ttccgatccc ctgtactggc tgcgtatgat gttggccagt aaccgtggta      360
ccctgatgga attgggtatc actcccatca tctctccgg catgggtttc cagctcctcg      420
ctgggtacca tcttatcgat gtcaagcttg acctcaaaac cgaccgtgaa ctgtaccaga      480

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ccgcccagaa	gccttttcgcg	atcatcctct	gcttcgggca	agcttggtgc	tatgtcttga	540
ctgggtcccta	tgggcagcca	agccatcttg	gggcccgtat	ctcgtgtctg	ctcaatggtc	600
aacctggttg	gtgctgggct	tggtggcatt	cttctggaag	aggtgctc		648

<210> 4383
 <211> 724
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(724)
 <223> n = A,T,C or G

<400> 4383						
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ttctgtcgcg	cataatgtcc	ggatatgacc	gagctctttc	agtattcagc	cctgatgggc	180
acgtcttcca	ggtggagtat	gccatggaag	ctgttaagag	agggacctgc	gccgtcggag	240
taaaaggtaa	agatgtttgc	gtgctgggct	gcgagaagcg	ctccgccttg	aagctccaag	300
atacccgcat	cacaccgctg	aagatcgccg	tgctggacaa	ccatgccgtt	ctcgtcttcg	360
ctggattgaa	cgcgatgct	cgtatcctca	tcgataaggc	tagactagag	gcccagtcctc	420
accgcttgac	cgggtgaagac	cccgtcacca	tcgaatacat	caccaaatac	atcgccgggtg	480
tgcagcagcg	gtacacgcac	agtggaaagt	gttcgcccct	cgtattaaga	ccttggnctgg	540
gggttcgaat	ccgatgaata	agtgcagaa	tatatcagac	ggagccttcg	ggtattatct	600
gggtgaaggc	cacgctatcg	ccgtctagca	gactggctcg	attctcaacg	caccccagga	660
tatttgaccg	gacaacgac	actaacatta	gtctgtggag	gcggccaccg	cgccagacct	720
aagg						724

<210> 4384
 <211> 755
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4384						
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ctcttccat	aatataatgt	ccgctaaaag	tgaatctccc	gcccccgctg	ctcctcagca	120
gctcagcggc	cttgcctctc	actccagatt	cgcttccgct	ggtgctgtct	gctgctccgt	180
cacccacgga	gctcttactc	ctgtcgtatg	cgtaagaca	agaatccagc	ttgaccccg	240
cacctacaac	cgtgggtctgg	tcgggtggtt	ccgtcaggtt	attgccaacg	aggggtgctgg	300
cgctctctct	actggtttct	gccctaccgc	cgcgggttac	ttcctccagg	gtgctttcaa	360
gttcgggtgg	tatgagttct	tcaagcagca	tggtgattac	cagctcgggt	acgagactgc	420
ctccaacaac	cgcaccgctg	tctaccttgc	ctcttccgcc	actgccgagt	tcttcgcgca	480
tatcgccctc	tgccctcttg	aagctaccgc	tatccgtctc	gtctcccagc	ccactttcgc	540
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ctctggatct	ggctccattc	ttttcaagca	aggtccctac	accatggcca	agttcgctcg	660
tttcgagaaa	gtctctgagg	ctatttaccg	ccgtttcgac	aaagagacct	tctccgatgg	720
tgctaagact	actatcaacc	tttgctcttg	tctta			755

<210> 4385
 <211> 675
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4385						
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atctggggca	ccttggtgat	caggaactga	ccaaggcggc	tgacgctatc	gacgcgcggg	120
ccgcgcgatt	ggccaagctc	aagaaaaagc	ctcgtgatgg	cttctcgaca	tacgagttac	180
gtatcaacga	tgtgattgtg	gaggcgccca	ttgcagttac	taatgcaatt	gcggaactga	240
ttaagggcgc	cactgagtc	cagcaggaga	ttgttcgcga	aggccggggg	agctcatcga	300

gaacggcggtt	ctacaagaag	aataatcggt	ggacagaggg	actaatctcg	gccgccaaagg	360
ctgtttgctac	ttccaccaac	actcttatcg	agacggccga	cggggtcatt	tctggtcgta	420
actctccgga	acaactgatc	gtggccagta	acgacgtggc	cgctagtagc	gcacagttgg	480
tggcgggccag	tgcggtcaaa	gcacgtttca	tgagcaagac	ccaagatcgc	ttagaggcag	540
ctagtaaagc	agtcggtgcg	gcacgtcggg	ctctggtccg	tcaggtacag	gacatcattg	600
ccgagcggaa	ccaggatggc	tcggagaacg	ttgactacgc	caagcttagc	tcgcacagag	660
tcaaagtgcg	cgaaa					675

<210> 4386

<211> 663

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(663)

<223> n = A,T,C or G

<400> 4386

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acgcggtcaa	tccgatcaac	acaaaaatac	ttactttctc	gcaacatctc	ccttgagccc	120
tccgacctcc	gaacaagagt	cgcgttgtct	tattaaacaa	aaaggccaat	atgggtgggt	180
cattttcgcg	tctatgggtc	ttcctctgga	cgaagaagga	aatccgtatt	ctcatcctag	240
gtctcgataa	tgttggaag	actacactac	tttacaggat	gaagatcggc	gaggttgta	300
cgacaatacc	tactatcggt	ttcaatgttg	aatcggtcac	atatagaaat	ttgaacttta	360
atgtctggga	tcttgagggt	caaacgtcta	tccggccata	ctggcgatgc	tactacgcta	420
acaccgctgc	tggttatctc	gtcatcgact	ccacagatat	tgaacgactg	ggtacggctg	480
cagacgagct	cgcagccatg	ttaaatgagg	aggaacttcg	cgatgccgct	ntgctgggat	540
tgcgcaacaa	gcaggaccag	ccgggtgcca	agggagctgg	ggagatctcg	gaggtcttga	600
agctgggcga	actgcgagat	agaaattgga	gtattgtggc	atgctcggct	atngatggta	660
agg						663

<210> 4387

<211> 650

<212> DNA

<213> *Aspergillus oryzae*

<400> 4387

ggttattttgg	cttcgggtgg	caacgataac	aagctttttg	tgtgggataa	gctaaacgag	60
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catcagcctc	atttgccttg	ttcgggtggg	ggaacggccg	atcggactat	caagttctgg	180
aataccctcga	ctggatcgtt	gatcaaagag	gttgacacgg	ccagtcaagt	ctgcaacctc	240
ccctgggtcga	aaaattcgga	cgaaattatc	agcacacccg	gctacagtca	gaatcaaattg	300
gtaattctgga	agttttccacg	tatggaacaa	atcgtatcat	taacggggca	tacgttccgg	360
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tagtgctacg	gcttttttaa	attccccgca	aggtttttaa	ttttgcttaa	acacggcggt	600
cagggttttt	ggcgtttttt	ctaacctggg	atttccttgg	cgggccagg		650

<210> 4388

<211> 686

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(686)

<223> n = A,T,C or G

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<400> 4388
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tcattgacat tgtctgctac cgtaagcagg gtcacaacga gaccgatcag ccgtctttca      180
ctcagccctt gatgtacaag cgtattgccg ctccagaaga tcagcttgac aagtatgtcg      240
agaagttgat caccgagggg accttcacta aggaggacat cgatgagcat aagaagtggg      300
tctggggaat gcttaacgac agctttgacc gtagcaagga ctaccagcct actggcaggg      360
aatgttgacc tccgcatgga acggattcaa gacccccaan ggagttggcc accgaggntc      420
tgccataacct gccactcggg tgtgngggcc ctcttcttga acacnttgct gacaagggtta      480
ccggtgctcc ggatggcttt tttctgcacc gaaacctcaa ccgttttttg tccaccccca      540
aaaggctgtg gatgaagcca aaacatcnac ttggctactt gcgaggtctt ttgctttcgg      600
ttccttggtt cagaaggttc cacttcccgg tttccgggtc agatgtcacc ctgggttttt      660
ttcccccccc catccctttt tgatta                                     686

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<210> 4389

<211> 730

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(730)

<223> n = A,T,C or G

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<400> 4389
gcggcactca actgtgtgta ctgcttcctt taacttcctt tgtgctttta ttaatcaatc      60
atcctctttc agaccctgtc agtctttcaa aatggccaca gaactttgtc ccgtctatgc      120
accctctctc ggtgccttgg gttgcacctc ggccatcgtc ttcacctgct tcggtgccgc      180
ctatggaacc gctaaggccg gtgtcgggtg ctgtggaatg gctgtcctca gaccgcgatt      240
gatcgtaacg aacatcggtc ccattgtcat ggccgggtatc atcggtatct acggactggt      300
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gagatcttct cattaatcct ctccgcgcac ggagtatatt ggttggnatt ggtcaatgtg      660
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<210> 4390

<211> 692

<212> DNA

<213> *Aspergillus oryzae*

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<400> 4390
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cgcgtcagcc gatatgacac tggcaagttg ggacctggaa actggacaaa gaatacgtcg      180
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gttagtcagt gcaagtgatg atggttgtgt ggggatctgg gatcctcggc aaaaagacgc      300
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gaacctcggt cgagcaagct gggacccgaa gggcgaaaaga attgcgcgcg ggaagtgggtg      660
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<210> 4391

<211> 784

<212> DNA

<213> *Aspergillus oryzae*

<400> 4391

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cccagcactg	gcggaagggc	ccctgctggc	ggcaaggccc	ctgctgagaa	gaaggaagct	180
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tccactcgtg	ccatgtctat	tctgaactcc	tttgtcaatg	acatcttcga	gcgtgtcgca	360
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<210> 4392

<211> 663

<212> DNA

<213> *Aspergillus oryzae*

<400> 4392

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<210> 4393

<211> 704

<212> DNA

<213> *Aspergillus oryzae*

<400> 4393

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gnggetaccc	tacatatatt	caattatcga	catataagat	tattttggan	ggctgtatct	660
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<210> 4394

<211> 646

<212> DNA

<213> Aspergillus oryzae

<400> 4394

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<210> 4395

<211> 678

<212> DNA

<213> Aspergillus oryzae

<220>

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<222> (1)...(678)

<223> n = A,T,C or G

<400> 4395

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<210> 4396

<211> 734

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(734)

<223> n = A,T,C or G

<400> 4396

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<210> 4397
 <211> 630
 <212> DNA
 <213> *Aspergillus oryzae*

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<210> 4398
 <211> 1255
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4398						
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<210> 4399
 <211> 695
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4399						
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<210> 4400

<211> 709

<212> DNA

<213> *Aspergillus oryzae*

<400> 4400

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<210> 4401

<211> 1056

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1056)

<223> n = A,T,C or G

<400> 4401

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<210> 4402

<211> 667

<212> DNA

<213> *Aspergillus oryzae*

<400> 4402

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<210> 4403

<211> 690

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(690)

<223> n = A,T,C or G

<400> 4403

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cacccccagc	ccgtgtgctc	tctcctctca	accatgccct	cttccacaac	aagaccagat	300
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acaactttac	catggaattg	atgaactggc	ctcagattaa	gtccattgnc	atcattttgcc	600
gaggggtgtc	caaaaagacg	cgctcttgag	attcttgtta	ctgttaagag	aaaggcttaa	660
cattaattga	ccccgcctcc	cgtgaagtat				690

<210> 4404

<211> 710

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 4404

gatatcaagg	cgtttgtcct	tgatttattg	ccatttgttt	ccactcttct	agttttcttc	60
ccttttctct	tttttgttga	tttttcacca	gcccggattt	ccttgtcagc	ctctttcaaa	120
aggcctgtca	agtcacatct	cctttttctt	tctcggcctt	tttgcccttc	cggtcggtcg	180
gagccccaac	ggtcgacatc	accgctatct	cacctctttt	caccgccttc	ttttctacaag	240
tcttttgtgat	cttgagacca	cagccgtcag	ctgtgtgtgc	ttttactcaa	gatgacgacc	300
atggatttgc	gtgtcggtaa	caaataccgc	attggccgca	agattggaag	cggtagcttc	360
gttgatatct	atcttggaac	caatatcatc	tccggtgagg	agattgccat	caagctcgag	420
agtggtcaagg	ataagcacc	ccaacttgag	tacgaggctc	gtgtttacaa	gtctcttgc	480

ggtgggtgtgg	gcattccctt	cgcccggttg	ttcggtactg	agtgcgacta	taatgctatg	540
ggtatcgacc	ttttgggtcc	tagtctggag	gatcttttca	acttctgcaa	ccgcaagttc	600
tcgctcaaaa	ccngcttct	cctggctgat	caactcattt	cccgcacga	gtacatccat	660
gccaaagtctt	tcattcaccg	cgatattaag	cccgcacaact	tcctgatggg		710

<210> 4405
 <211> 676
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(676)
 <223> n = A,T,C or G

<400> 4405	
ccgcattcgg	gtaaggggct
tgccccctta	actcaacttc
acggactttt	caaggtcgcc
aggagggtgt	taacgatctt
cattcgagaa	caacaagatg
ccgatactct	tatttccttt
ttgttctggg	cggtctggac
ttgactgcga	aaocggcgac
ttcacgctac	taagttgctg
gtcttggtca	cgcttactcc
atatcatcca	agctattgcc
tgagggttctn	ggagtg
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	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	676

<210> 4406
 <211> 731
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4406	
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gaagaatggt	gtggtcgac
cggaagatt	cggtcagcct
tagccaaatt	accgacggcg
gctggggccag	ccaattcttg
aatcatggga	attggctcct
caaggatgac	attgatattc
tgttcaaaaa	ctgggtcttg
cggccacccg	ttgggatgca
gogacagaa	aagatagtgg
tggtattttc	atcgtcgacg
agtcattgata	tggtaatatg
cacgaaccgt	a
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	731

<210> 4407
 <211> 707
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4407	
cgagggtcca	gacgacaa
gtcactctcg	gcctctggc
gcctccttca	acgatacctt
cggttcacccg	gtgggatgaa
atggttggtg	ctcaggatgt
	60
	120
	180
	240
	300

atcaagatcc	gtgctaccgg	tggtaacggt	accaagaccc	ccggtcccgg	tgctcagtc	360
gccctccgtg	ctcttgccc	ttccggcatg	agaatcggcc	gtatcgagga	cgtcaccccc	420
actccctccg	actctactcg	tgcgaagggg	ggtcgcccgtg	gtcgtcgtct	ctagatatgt	480
gcgagcgtat	cttctccaac	ttgtgcaagt	ttcttgccctg	gctggatggg	aggctatcag	540
cagagtactc	tgccctgcgga	tgtggatgga	ataaacgcga	agaacggcct	ttatcgccctg	600
gtcttcaatt	tttttcatat	ccaaaaaagt	ttctacttgg	ttttgggcat	cagtagtctc	660
tgaaatagca	gctacgtttc	gtcaatatatac	ctcgactaga	accgtat		707

<210> 4408

<211> 704

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(704)

<223> n = A,T,C or G

<400> 4408

ccgaggggatg	tttgtttaca	ctcatttcgc	ttctatgctc	gtccccctggc	catgcttacc	60
acgttcaaag	gtcgtgagat	tttaagaagc	acaaaggaac	tggcagaatc	gaagcagttg	120
agggtcattt	acggtgatac	cgactccgtc	atgatcaaca	ccaatatgga	tacgctaagc	180
gacgcgctga	aggtcggaga	ggaattcaag	aaatctgtga	atgaaagata	ccggctttta	240
gaaatcgata	ttgacaatat	cttcogtcgg	ctgctattgc	atgccaaaaa	gaaatacgcc	300
gctataaaca	tgacggagat	ggatggcaaa	tatgtggaca	agttggaagt	caagggnttg	360
gacatgaaga	ggcgtgaata	ctgcgccctg	tcaaaggagg	tgtctcagag	gctcttgaat	420
gaggtttctc	ccggcggaaga	ccaagagatc	gtcctcaatc	gggtccatga	ctatctacgt	480
gacttggccg	ggaagatgcg	agaattcgcc	gttcccgtcc	agaaatatgt	catttacact	540
aaaactctct	aaacgaccgg	aagaatatct	taacaaggag	acgatgccgg	ctgttcatgt	600
tgccctccgg	gagcttgccc	gcggaagtca	ttccggccaa	acgatgttat	ctcttacatt	660
gtgacaagtg	gtggattttg	aacatncttc	cttgcgccag	caag		704

<210> 4409

<211> 545

<212> DNA

<213> *Aspergillus oryzae*

<400> 4409

caacctacaa	cgagcgggaag	aacctcccta	ttatctgctg	gttattggag	cgcaccttcc	60
gtgaaaacaa	cctggactgg	gaagttgtca	tgcctgacga	tggctcccc	gacggcaccc	120
tggaagtgcg	caaacagctc	caggagctct	ggggccccga	acatatcaac	ctgaagcccc	180
gtgaaggcaa	gctcggcctt	ggaaccgcct	acgttcacgg	tcttcaatac	gccacgggca	240
actttgttat	cattatggac	gccgacttca	gccatcaccc	caaattcacc	ccggagatga	300
tccgcattca	gaaagaaaacg	gaagccgaca	ttgtcacggg	cacgcggtat	gccaatcgcg	360
acaacatcaa	gggcggtgtg	tacggttggg	atctatttcc	gaagtttacg	tgcgggacgg	420
ccaacctcat	cgccgatgtc	atgctcatgc	ccggtgtgag	cgatttgacg	ggcagcttcc	480
gottgtacaa	gaagagtgtg	gtggaaaaaag	gaatccttag	caccaaaaaca	aggggacagt	540
ttcca						545

<210> 4410

<211> 708

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 4410

gggacgaaca	ggcgcaaaca	tactgtgatg	cgaccatcga	cgagtacgag	gaaagtgttc	60
atgtctgcc	caagggatac	atctccatct	tccccttct	caccggcatg	gtgagctctg	120
atagccctcg	cttaaaagcc	atcttagact	tgatcagcga	cccagaagag	ctctggagcg	180
atthttggtat	tgcagctcta	agtaagaagg	atgagttcta	tgggactgct	gagaattatt	240
ggaggagccc	tgtatggatc	aacatcaatt	atctggtggt	taagaacctt	tatgacattg	300
cgaccacacc	tggtccacat	caagaacagg	cccgtgaaat	gtactctaag	ctgcggaaga	360
acgtagtgtga	gaatgttttc	aaggaatgga	agaagaccgg	gtttgcttgg	gaacagtata	420
acccagaaac	aggtaaggga	cagcggacgc	agcatttcac	tgggtggact	agtatggtgg	480
tgaatatgat	gtcgatgccc	gatcttctctg	cgactgagag	caaggggcat	gatgagctat	540
agaacagcaa	cactcgctgc	gtagcgcgatg	gtttaggata	gggaatacta	cttgtacact	600
ntcnanannnn	anngnannnn	nnnnnnanna	nnnnnnnnnn	nnanaannnn	anannnnnn	660
nnnnnnnnnn	nnnananatt	ttttgcggcc	nttaaccatg	cttttaaa		708

<210> 4411
 <211> 658
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(658)
 <223> n = A,T,C or G

<400> 4411						
ggaattttttt	tttttttttt	ttttcgctcc	ataagaataa	cccccatatt	gcaattattt	60
cgcaactatc	gaaaccacat	ccccatccgc	caaaatatgt	gccaatccca	cccgttgcgg	120
gatatgccgc	gcacttgcac	cccacaccaa	agcatattta	aacgattctt	tcaacgtccg	180
gtgaacgtta	tgcagacgt	cctcgatggt	aaaattgccc	cgtacaatca	acgcttcgct	240
gaaatcgggc	tccctccctt	tccgtttcgt	gtaaattcgg	atcaaacgaa	tttctttcca	300
gatccgctca	accacctct	gaacgcgag	gtctatttca	aaactcatca	cgggggtatg	360
tggttcacgg	gcgatttgat	tcaggaagtc	aagactgatg	ctgtcgatct	tggtanaaac	420
gtagagacat	ctgatgtatt	ttcggtgacc	tttcaggatg	acgtcgatga	attcgtaaat	480
cgttgcgtaa	tcctctcgga	tcagaacttc	acagttcagc	atcttgtaat	cacggaggac	540
tttgaagatg	accttccgc	caaggatatt	cgggggattc	tggaagggtga	tcttaactcc	600
gcctgtcttt	ctttttgttt	gaggtaaatt	tttgagggcc	ccttggttaa	acaaaatg	658

<210> 4412
 <211> 900
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4412						
gatcagctga	tcaatcgacg	aggccatgtc	ggcctctccc	tgcgaacctt	cccgtaacttc	60
gacgccaaga	cgaagggcct	caacttcgac	ggcatgctga	acggcatccg	cgaggccccc	120
gocggctccg	tcactctct	ccacgcctgc	gcccacaacc	ccaccggtgt	cgacctcact	180
caagaccaat	ggaaacagct	cgcgctcgtc	atgcgcgagc	gccgccactt	ccccttcttc	240
gataccgcct	accagggttt	cgcctcgggc	gacttgaacc	gcgacgcctg	ggcggtgcga	300
tacttcacgc	agcagggtct	cgagctgtgt	gtcgcgcagt	ccttcgcgaa	gaacttcggt	360
ctgtacgggt	agcgcgcggg	cgcgttcac	ttcgtctcgg	cccccggtgc	caccgccaag	420
aacgatctcg	ccaatgtcgc	cagtcagctg	gcctatctgc	agcggctcga	gatttcgaat	480
cccccggggt	acggtgcaca	aatcgccagc	cgcattctga	atgacgctac	cttggttcgcg	540
gagtgggagg	aagacctccg	gacgatgagt	ggacgcattg	cggagatgcg	gaagggcctg	600
cgtgagcgct	tataggccaa	gggcacaccc	ggacatgga	accatgtgac	ggatcaaatc	660
ggcatgttca	gtttcacagg	cttgagtga	gcacatgtca	agttgttgcg	ggagaagtgg	720
cacatctatg	tgaacaaaaa	tggccgacta	tctatggcca	gccctcacac	acataacatc	780
gaatacttca	tagaggctgg	cgacagtgct	tgcggggaga	catcgcaaaa	ttgatttgcc	840
tgtacgtgat	atcattgatg	ccatgtgcac	tgtattcgca	ttaacatagc	gtttatatat	900

<210> 4413
 <211> 676

<212> DNA

<213> *Aspergillus oryzae*

<400> 4413

cgacaccctc	cgcgtccgta	cctctccccg	taagggttcat	tttcaatcgc	catatatatc	60
caacatggct	gacgctgctc	ctcgtggacg	tggaggattc	ggttcccgcg	gtgaccgtgg	120
tggtgaccgt	ggcgtggcc	gtggctcgtc	tggtcgtcgc	ggcggcaagc	aggaggagaa	180
ggaatggcag	cccgtcacca	agctcggtcg	tctcgtcaag	gccggcaaga	tcaccagcat	240
ggagcagatc	tacctccact	ctctgcccac	caaggagtac	cagattgtgg	acttcttcct	300
ccccaaagctc	aaggatgagg	tcatgaagat	caagcccgtc	cagaagcaga	cccgtgccgg	360
tcagcgtacc	cgtttcaagg	ccgtcgtcat	catcggtgac	tctgaggggc	acatcgggtc	420
cggatcaag	acctccaagg	aagtcgctac	cgccatccgt	gccgctatca	ccattgccaa	480
gctcgcggtt	ctccccgctc	gtcgtgggta	ctggggcagc	aaccttggtg	agcctcactc	540
tctgcccgtt	aagcagagcg	ccaagtgtgg	ttccgtctcc	gtcagactta	tccccgctcc	600
ccgtgggtacc	ggccttggtg	cctccccccg	cgttaagcgt	ctgcttcagc	ttgccgggtg	660
ccaggatgac	tacccc					676

<210> 4414

<211> 673

<212> DNA

<213> *Aspergillus oryzae*

<400> 4414

cgcagcttct	gaggctgaca	actaatacgc	caaaatgggt	cgcgttcgca	caaagaccgt	60
caagcggctc	gccaagggtc	tcattgagcg	ttactacccc	aagctcacc	ttgacttcga	120
ggtaacaag	aagctttgcg	atgagggtgg	catcattgcc	agcaagcgcc	tgcgcaacaa	180
gattgccgga	tacaccactc	acttgatgaa	gcgtatccag	cgcggccctg	ttcgtgggtat	240
ctccttcaag	ctccaggagg	aggagcgtga	gcgttaaggat	caatacgttc	ctgagggtctc	300
cgcctctcgac	ttcagccagc	actccgagac	tggcaagctc	gacgttgacc	aggacaccaa	360
ggatctcctt	aagagcattg	gtttcgactc	tatccccacc	aacgtcatcc	aggtttccca	420
gcagcaggtc	tcgcaccgtc	cccgccgctt	cgtccggtaa	atagttagtc	gtgcaggatg	480
acggataagg	gaacacacaa	aaaatgacat	gaaacgggta	catccctcgg	ggaatgggtg	540
tggtgatgat	gctactttca	aggatgggta	atggcgtcaa	aagacttcag	gaatagttac	600
tttggggaaa	taggttccgg	gcattctttag	gatgagaaat	gatacgccag	gcccttttct	660
ccccaaaaaa	aaa					673

<210> 4415

<211> 678

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(678)

<223> n = A,T,C or G

<400> 4415

cggtagacta	ccgtacggca	ggacacattg	tagacgatga	catgcacgct	attatgggtac	60
gcccgtgca	accgggtggt	cgactgaccg	ctatttttga	ctcctgccac	tcgggtactg	120
ccctggacat	tcccttaagta	tactccactc	agggatattct	gaaagaaact	aattctcgca	180
aagagggggc	ccaggacctc	tttagcgcca	ttacgtcgta	tggacaaggc	gacttcgcta	240
gtgtgggcca	gactgcaatt	ggcttccctc	agaaagctgc	cctggggcag	tctgctcgcg	300
aacgaacggt	taaaaaccaag	acttcccttg	cggatgttgt	catgttttca	ggttccaagg	360
atacccaaac	ttcagcggat	accttccagg	acggacaggc	tcgaggtgca	ttgagctggg	420
ccttttatcaa	gacgtttacaa	gcgcgtccaa	accagagcta	tttacaactg	cttaactcga	480
tcgggtccga	attagaaggc	aaatacagtc	agaagccgca	gtgagctgca	agccaccctc	540
tagataccaa	cttgctttnt	gtgatgtgat	atgtactgta	tgagacatga	tgtatgcgta	600
gtttcttttt	gggttttacac	gatttatgat	gttcaatagc	atttgcattg	gccttcgagc	660
aaagcccaga	ccatgttt					678

<210> 4416
 <211> 655
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(655)
 <223> n = A,T,C or G

<400> 4416
 ctgcacctcc ctttgtcact tctctctttt cctctccatt cccccactgc ggatctcacc 60
 cgctaaccgc taccatgccg atgctcaaa atccctcaaa aaagtacaag cggtttaagc 120
 cgctgcctct ccccgatcgc caatggccca acaaggctcat cgaaaaggct ccccggtggc 180
 tggccaccga tctaagagat ggcaatcaga gcttgccctga tccaatggat ggtgaacaaa 240
 aatlcgcgtt ctttaaaatg ctgcgtcgata tgggtacaaa ggagatcgaa gtttcatttc 300
 catctgcctc acaaacagaa ttgcacttca ccaggcgctc ggtggagact cctggcgctg 360
 ttccacatga tgtatggctc caggttctgt ccccttgctg tgaggacctc atacgaagca 420
 cgggtggactc tctaaaaggt gcgaagaagg ctatactgcg catttaccta gctacaagcc 480
 catgcttncg tcgaattgtc ttaaaatgga caagcataag aatttcggaa taggttggcg 540
 ctggaaccaa tgtgcacgtt cgatcactaa agatgaaccc ttgaacggcc gtccccaatg 600
 ggaactttcag ggtctccccc gaaaactttt ttgaaaccga accccaattt tgccc 655

<210> 4417
 <211> 653
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4417
 agaaggtctc gtccatcccc tgtttgatcc cttgcgcaat cgaccaagat ccttatttcc 60
 ggcaatgtcg tgagaacgcg gaaaagatga agtacaagaa accgtcgctg atccatgcaa 120
 tcttcttacc tgcccttcaa ggccccggct ccaaaatgtc cgctagtgtg gacacatccg 180
 ccattttcat gaacgatata ccggcccgtg ttaagaacaa gatcaacaag tacgccttct 240
 cggggcgcca agacactgct gaactccagc gtcagctcgg cggaaacagc aaggctcgatg 300
 ttcttttcca gtacctcact ttcttcttgg aggatgatga agagcttgag cgcattccta 360
 ctgcatatga gaagggagag atgctcactg gcgaaatgaa gcagaggtgt attgctgagc 420
 ttcaaacctc tgttaaaggt ttccaagagc gcagggccca ggtaaccgag gagatgctca 480
 aggagtatat gagtactcgt ccaactagag ggaagggtaa cccaaccca attgttgcg 540
 agaagaaata aggcaagtgg tactttcgag ccactgcagt tttagacgaa tttgtttaga 600
 gatgcattat ccttgcacta cagcatcaat gaccaccaca caatgtccct tgc 653

<210> 4418
 <211> 692
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(692)
 <223> n = A,T,C or G

<400> 4418
 ggagacttgt gctcgtctga acgagtcac gaagcgcttt cgttcttaag gaagaatttg 60
 ccagtctcct tgcaaaatcc taaagttgca attgtgtgtg gctctgggtt ggggggcctg 120
 gcaaacacta ttctgtgata gccacgggga gagtttgatt attcttctat cccacatttc 180
 ccgcattctaa cagttcccgg acatgcagga aaacttatct tgggccttct agatgagcag 240
 gtacctgttg ttttgatggg tgggcgtgac cactactacg aggttcattc catcaaccaa 300
 gtgacattcc ctgtccagtc ttccaagttg ctgggggttg ataccctagt gttgactaat 360
 gctgcggggg ggttgaattc agagtatgag gttggcgaca tcgtattatt gaatgatcat 420
 attttcttag ccggttttggc aggcactcat ccactccgag gaccgaacgc cgaagagttc 480

ggctectcggt	tccccctct	gtccgatgcc	taccacctcg	aacttagacg	tcacgtgcat	540
gccacttggg	gtgaggtgat	gcattcaaaa	agccagccaa	aggtgcatga	aggagtgtat	600
gctttccttg	gaagacccaa	ttactaaacc	aagggccaat	gccgcatgct	ttacaaactc	660
ggtgcacaat	gggttgata	gttaatgtgc	cg			692

<210> 4419
 <211> 821
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4419						
gtcgagatcc	gatctcccc	gtggatatatc	catctatcag	cagctttctc	cggcgtgacg	60
ggagcttccg	actccaccgc	ccgctctctc	cttccaaccg	aaaagcttca	aagtgtcttc	120
ctcgggtata	cattattcgc	cttttggtgt	acccagacc	tgaataggca	tcaggtccga	180
tcaaatgat	gaattccctt	cggtccatt	ccgctcggt	tcgccgcgt	gtcgctccc	240
ctctgtctgc	ccctctctct	tcctccgctt	atcgctcgat	ctctgtctct	tcttatttct	300
acatttctct	ttcgtctctt	tcttctttct	cgactgtctc	tacccctcgc	gtccagagac	360
ccctcgcttc	gtctcagctc	ctcgtatttg	tctcccccg	ccagaccgga	atctacctt	420
tgcagtggac	acaggcccg	accatggcaa	ctgaaggccc	caagatcaag	gttaagaacc	480
cagcgggtga	actggatgga	gatgagatga	ccgctattat	ctggcaggag	atcagagaga	540
agtggatctt	gccttacctt	gacattgacc	tcaagtacta	cgacctggga	cttgaatacc	600
gtgaccagac	cgatgaccag	gtcaccgtca	aggccgcgga	ggccatcaag	aaatatgggtg	660
ttggttcaag	tgtgtacca	tcacccccga	tgaagccgt	gtggaggagt	tcaagttgga	720
aaaaatggg	ctttctccca	cggaaccctt	aaaaactttc	tggcggaac	tggtttccga	780
gaaccatta	tttttccccg	ggttcccggt	ttagtccgtg	g		821

<210> 4420
 <211> 1145
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4420						
cttcttccat	ctcaaaaaca	tagaactcca	tcaccacctc	gtcatcatgt	ctgacgtccc	60
tgagactaag	cctgacccca	ccaccagcgc	tcctgaggcg	gctgagaagc	ctgaggagac	120
taccacctct	accgaagctc	ccaagactga	ggaggacaag	tctgcaactg	agaccgtagt	180
tgaacacgct	aaggaggcgg	ccaccaagac	aaccgacagc	gttttctcga	tggtcggcgg	240
tggccctaag	aaggaaaaga	aggaagaacc	tgaggataac	aatgatgagc	catctggctc	300
ttcgaaggct	caaaaaaccg	aagaagagga	tgaagcacct	gagtcacctg	acgttcactt	360
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aaaag						1145

<210> 4421
 <211> 701
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4421						
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aacgcagtga	cggtcacgtt	tgtcttggtg	atggatgttt	tttccagctg	ggctatctgt	660
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<210> 4422

<211> 688

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (688)

<223> n = A,T,C or G

<400> 4422

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<210> 4423

<211> 1446

<212> DNA

<213> *Aspergillus oryzae*

<400> 4423

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acgcccgaag	aactcatcgg	acgagatacc	cttctgggtta	ccaaacctgg	acttggtctg	180
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cgtagtcttc	cggacagtag	tactagccct	gatagcagcg	ggggcaggag	cgttttctct	660
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<210> 4424

<211> 690

<212> DNA

<213> *Aspergillus oryzae*

<400> 4424

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ccatgctgat	ccagcaattc	gacatggctt	tggtctctaa	cccgggcgga	aacactttct	180
atttcgggcc	tattggtcct	gaaagtcgtg	atgggatcaa	atactttgct	tgaccgcgcg	240
ttcggtggcc	ccccctgaaa	aatggtgcaa	aaattatctt	ttaaacaaca	gccaaaggca	300
attaaaaggg	agggtagggg	tttgatgga	atgaagagtg	gcgcaattcc	gaacagaacc	360
gcgcattctt	ggacgaaatt	cagcagatca	gggaagaacg	cagcaagatc	ccaattggcg	420
acaagggcgt	cgaatacgag	tttgctgctt	ccacatggac	acaaaactgg	tctggttacc	480
gagaggttgt	tcaaaacata	ctgggaagaa	ccatcgactt	tttcggaaag	cttcttgacg	540
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<210> 4425

<211> 679

<212> DNA

<213> *Aspergillus oryzae*

<400> 4425

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cgtttttcgt	ttggaaattt	ggggctactt	ctttccacaa	cggagggttt	ccttttggct	660
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<210> 4426

<211> 702

<212> DNA

<213> *Aspergillus oryzae*

<400> 4426

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togatcctgc	tctccgtcgt	ttcggtcgtt	tcgatcgtga	ggctgatatt	ggatattccc	180
acccccactg	ccgcttgag	attatgcaga	tccacaccaa	gaacatgaag	ctcggagagg	240
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gacaatgata	ccattggagc	tgaggagcta	gattctcttg	gaggtaccat	ggagaacttc	420
cgtaccgccc	ttggcggtgt	taacctatc	tggacttcag	taagagggat	gagtttagagg	480

tgcccaacgt	taggtaggag	gactttgtgg	tcataaggaa	gacaaagcgc	gagctcatag	540
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gatcgagaga	gggggtctta	gggacgtgag	gtatctgtga	gaaacatgca	gacccaaggt	660
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<210> 4427

<211> 837

<212> DNA

<213> *Aspergillus oryzae*

<400> 4427

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tgagaagcag	cggatatacca	acctgggtcg	cgttcaagct	tacattgaag	gcctgggtcga	180
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<210> 4428

<211> 699

<212> DNA

<213> *Aspergillus oryzae*

<400> 4428

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gctgagaacg	ttccgcagga	ggatgacaag	cctttcactg	tcagcctttc	cgatgagagc	180
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ccagtaacaat	gaggagccta	ctactaacat	tggccctgac	ccggggaccgg	ggtttcaaac	660
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<210> 4429

<211> 685

<212> DNA

<213> *Aspergillus oryzae*

<400> 4429

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<210> 4430
 <211> 673
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
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 <222> (1) ... (673)
 <223> n = A,T,C or G

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<210> 4431
 <211> 731
 <212> DNA
 <213> *Aspergillus oryzae*

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ccgcggcac	tcgcggccga
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cgcgcgacca	aattcgccgc
aaacgacagc	tggggatcct
360	
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gtcgacaagc	aaacacaatc
tttgcccgtc	ctgaccggcg
420	
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tccttcgctc	tggtccctct
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tacaacggca	tgctggacgt
agtcaagaag	atcgtgcaaa
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tgtattttcc	aggtccgggc
gccagttgcc	taaggtagag
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731	

<210> 4432
 <211> 1358
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4432	
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gcggcgatcc	cgtagctcc
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ggaggactac	cagaagggtg
acgacgagat	tgctcgtcgc
360	

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gttccctttt	ctgtttgata	tccggcggtg	catttttagat	actggccatc	agagatgggt	1260
tcatattact	ttgccatgta	tctgtggagg	atctccacag	gcaattggaa	gttttgtaga	1320
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<210> 4433

<211> 592

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(592)

<223> n = A,T,C or G

<400> 4433

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gtgtacagca	aatgccccag	gtgtacaagt	ctctcaagga	tatcattgcc	attctgtgta	180
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tcctggccga	gctcgagaac	aaggccataa	tgtaatatgt	tttttaagcg	cccttttctt	480
ttttgttaga	catggacttc	ctttcttcag	ttttccgttt	tctgtcgata	cgtgtacagt	540
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<210> 4434

<211> 555

<212> DNA

<213> *Aspergillus oryzae*

<400> 4434

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aaagagaaat	cctagaatct	attgggggtac	ggcaacgaca	ggaagaccac	atatcggata	180
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gctcgccgat	gtccatgcct	tccttgacaa	cctgaaggct	cggcttgagc	ttgtggagaa	300
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cgataagctt	gagttttgtt	ttggcagctc	ctacccaaaa	agcccccgaat	atgtcatgga	420
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tgtcaaacag	acccgagaatg	ctctttttgag	ttgtcttctg	tacccqgtgc	ttcaggtcct	540
tgacgaagag	cacctgaagg	ttgatgttca	gctgggaggt	atgggccaag	agaaagctct	600
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<210> 4435

<211> 1376

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1376)

<223> n = A,T,C or G

<400> 4435

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cgcggtctac	tttcagccga	aatgcgcccc	gtgcggtcca	gaagcagtgc	tctgctgccg	180
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<210> 4436

<211> 668

<212> DNA

<213> *Aspergillus oryzae*

<400> 4436

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gaacgcgcaa	gagaagaagc	gtgtggactc	tcagggtcaag	attctcatcc	gccccctcta	180
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caaccagcag	tggttgggag	aggtcaaggg	catggccgac	cgcacatttg	agatgcgctc	300
cctgctccgg	aaaaacctgg	aggagctggg	cagcaagcac	gactggctcc	acatcaccag	360
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ccgacatggt	taattttagc	tattctttag	agcattatat	tatggcttga	attctcttga	660
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<210> 4437

<211> 1248

<212> DNA

<213> *Aspergillus oryzae*

<400> 4437

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cctttcgtct	ccattgaaca	tttttagcgt	ttccaggtat	acggtatcat	tcggttttta	180
ccctacgcag	ttaagccgcc	aattttctcg	ttttattgcc	tgatgaccgc	tcgtttttctg	240
agccgtctca	ttaggtagct	atcatggata	acgcaaactct	ttggactcgc	cgctccaact	300
cctctaagtt	gtctctgtct	atgacgggaa	cagacggcaa	agacggtgcc	agagtcgaac	360
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tcgacaccaa	cattgtctgg	aagagccatg	acgacagcat	tgctcaacgc	tctgcaattg	1140
accaagctcg	tcaagagaag	gccaccggaa	acaacgggtc	tcaccatcat	cattaccacc	1200
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<210> 4438

<211> 1357

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1357)

<223> n = A,T,C or G

<400> 4438

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caggctataa	caccaaccgc	ggatcttaca	catacactac	caacccttct	gttggaagct	180
tggcggtgga	tcattctcaa	ctcgcgtctg	atatgtctgg	ctccccctcg	caacagaacg	240
ggctcggagc	catgactccc	cgtactagcg	gggcgcctcc	ccaatggggc	tcgggataca	300
atacgctccc	ccgatccgct	gctgtcagca	gcctctacaa	tagcgtcagc	gaaactcgcg	360
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taattgttag	agatgggaca	taacactgtg	aaaacgggtat	ggatgtcttg	ctacgatcgt	1020
tataatgtct	gagttttccc	cttttcgggc	acaaaagggc	gtgcgcttgg	agtcttggta	1080
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cttggattta	aaagagggat	tgcgggtggg	attagcccc	ccatttgcga	ctatgggggt	1260
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<210> 4439

<211> 1056

<212> DNA

<213> *Aspergillus oryzae*

<400> 4439

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ctgtacggcc	ccaagatgaa	caacgtcttg	agcgggtgga	tcgtctacat	gtacttccag	180
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atttcgttcg	ttggagtgtg	tttatccatg	tgattttttg	acccttaaga	cgtacatact	1020
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<210> 4440

<211> 640

<212> DNA

<213> *Aspergillus oryzae*

<400> 4440

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tcgcaatgtc	atcctttggc	tagatcatcg	cccgggtggg	gagacggaaa	aggttaattc	180
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cgttgtttgt	aagcaaggat	acgtcccagt	tgggggtggat	ggaagtgtca	aaagttggca	420
agaagatttc	ttggccgaaa	tagccttggg	gacctagctc	aagaggactt	taagcgaatg	480
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gaaaaagcgg	gctccgaata	tggggtaccc	ttaagtattg	ctatagggag	tggagtcata	600
gacgcttatt	gcagttgggt	ttgggactgg	tggtgctaata			640

<210> 4441

<211> 659

<212> DNA

<213> *Aspergillus oryzae*

<400> 4441

ggtgaacggt	agcagagcat	tttgggtcaa	gaattgacta	aaaatgtctg	gccaggggtgt	60
accagaaaat	aaacattcca	agatcctggt	tgctggagct	gcgggggtct	tagggtcaca	120
tcttgttagac	cttctgctag	agaaaaggcca	tgaggtgatt	ggtctggaca	acttccaaac	180
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aatgtatgga	tatcggggaa	agcatggaac	tgacattcgg	attgcccgtg	ttttcaacac	600
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<210> 4442

<211> 735

<212> DNA

<213> *Aspergillus oryzae*

<400> 4442
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 aagcagcctc acatcttcaa caaccctaag actcttgcca agagcaagaa ggttggccag 180
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 tgtttcacga tttcatgtcc caggtaccct tgtgaaggaa atatccaatg aaaaaaagct 720
 ttttgatact cctat 735

<210> 4443

<211> 652

<212> DNA

<213> *Aspergillus oryzae*

<400> 4443
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<210> 4444

<211> 904

<212> DNA

<213> *Aspergillus oryzae*

<400> 4444
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 gggaaaacaga aggaaatgaa tgcattctct tcttccatg ggccgtctga aaagagaacc 840
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<210> 4445

<211> 679

<212> DNA

<213> Aspergillus oryzae

<400> 4445

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caccgggtcat	gccataggtg	ccttggaaga	caattgggta	ggccgacagc	agcgcataag	180
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<210> 4446

<211> 516

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(516)

<223> n = A,T,C or G

<400> 4446

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caagaagctc	cgcaaggcca	agaaggaggc	tagccctaac	gagaagcccg	ccaccgtcaa	240
gacccacctc	cgtgatatga	tcctcgtccc	cgagatgac	ggctctgttg	tcgggtgtcca	300
caacggcaag	accttcaacc	aggtcgatat	caagcctgag	atggtcgggc	actaccttgc	360
cgagttctcc	atctcctaca	ngcctgttcg	tcacggtcgt	cncgggtattg	gtgcacccac	420
tcttcccggt	tcgttccctc	caagtaaatt	gagaaaggca	tgtcgatttg	gatgcgtatt	480
gtgggataaa	aacgcacaac	tctctgtttt	cgccan			516

<210> 4447

<211> 1081

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(1081)

<223> n = A,T,C or G

<400> 4447

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tgtggccaca	ctcctatgcg	ggagatggcg	ggcggttaca	ataccgtcct	tgtcgttgggt	180
ggtgtaggcg	agaaatgccg	cattgtagct	gagggctatg	gtttcaagga	tgtcatcact	240
cccggggata	tcatacaagac	gaggcaacgac	acgacaccat	tcgggagctt	gacagaagag	300
gagtacaaga	actctcgcgt	ccgagatttc	agtcagacca	acattgatgc	catcttcgtc	360
tttgtatgaa	gtcagagactg	ggccgggtgac	cagcagatca	titttqatqt	tctcatqtgc	420
aagaatggac	gtctcgggtac	acgctccgag	accttcgagc	agggccacc	cgtattcttt	480
tcccacaacg	atgtttgtgtg	gtccacctct	catgagcatt	ctcgtatttg	tatgggtgct	540
ctcagggtct	ctctatagct	gtctatacaa	gcggtcaccg	gaaaggacct	gcatacgggt	600
gctttttgga	aaactcaact	gggaacatat	gaattcgcca	cccggtcct	tcgccagtg	660
cgcaaggaca	cccacgggtat	caactgtcct	ccgaacaccg	tttatttcct	cqqtgatacc	720

ccggagtcag	atatccgcgg	taccaacgag	ttcgataaaa	tcagtgattc	ccactggtac	780
tcaattcttg	ttaaaacagg	tgtctaccag	gaagggtacta	tcncccggtta	tcgcgccaag	840
aagatcacccg	acaatgtact	agaagctgtc	aagtttgcta	tggaacgtga	actcagcaag	900
caagcaaacg	agtcgcgcat	cgcagatgat	gtcgcactctg	gcacgcactc	tgaatctgct	960
aagaaacatt	gattggcttt	caccaggaga	ctcccatatt	ttacgttcat	caacatttac	1020
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t						1081

<210> 4448

<211> 499

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(499)

<223> n = A,T,C or G

<400> 4448

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tgaaaagcct	accgaagtct	cctccaagat	tgctagcatc	aaggaaatgg	aagcgaacga	120
gcccctactt	caagagaacc	ctcatcgctt	cgttctgttc	cccatcaagt	atcatgagat	180
ctggcaaagt	tacaagaagg	ccgaggcctc	tttctggacc	gccgaggaaa	ttgatctttc	240
taaggatctt	cacgactggc	acaaccgcct	gaatgatgac	gagcgcttct	tcctctctcg	300
cgtacttgcc	ttctttgctg	cctccgacgg	cattgtcaac	gaaaacctgc	tcgaacgttt	360
cagcggagag	gtgcagatcc	ctgaggctcg	ttgcttctac	ggttnccaga	ttatgatcga	420
gaacatncac	gctgagacct	actctcttct	gaatgatacc	tatatcaagg	agcccnagca	480
gcgcacctac	ctttttgag					499

<210> 4449

<211> 549

<212> DNA

<213> *Aspergillus oryzae*

<400> 4449

ggattgagca	cactattgcc	tgggccaggg	atctttttcca	gacctacttt	gttggccctc	60
ccgaggctgt	caacatgtat	ctgtcacagc	caaactacat	tgagcagacg	ctcaaacagg	120
ctggcaatga	gaagcagact	ttggagcaac	tgcacgattt	cttgggtggc	aacaagccac	180
tgacttttga	cgattgcatt	gcctgggctc	gccatcagtt	tgaaggtcag	tacaacaatg	240
caattcagca	gttactgtac	aacttccttc	gagattccaa	gacctcttct	ggacagcctt	300
tctggtcggg	ccccaaagct	gctccaacac	ctttgaagtt	cgatagctca	aacccccgc	360
acctcgggtt	catcgttgcc	ggcgcgaaac	ctcacgcttt	caactatgga	atcaagaacc	420
ccggagcaga	caaggaatac	taccgcaagg	tcgtcgacaa	tatgattatc	cctgaattca	480
cgcceaagtc	tggcgtgaag	atccaggcag	atgagaatga	ggccgacctc	gacgctggaa	540
acgctggtt						549

<210> 4450

<211> 549

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(549)

<223> n = A,T,C or G

<400> 4450

cttgtatagt	tgcgcgcagc	cgttactggt	ggagagaccc	tggagaagat	gtcgacgcaa	60
aatcagaatg	aacccttcta	tcttcgctac	tactcaggtc	actctgggcg	gttcggacat	120
gaattcttag	aatttgattt	ccgctccctt	ggtgatggtc	gcagtgccgc	cgtgcggta	180

gcgaacaact	ccaactaccg	caatgactcc	cttatttcgca	aagaaatgtg	cgtgagctcg	240
tcgatgattc	aggagatcaa	acggattatc	aaggagagcg	aatcatgaa	ggaagacgat	300
tccaagtggc	cccagaagaa	caaggacgga	cgacagggaac	tcgaaatcag	acttgggaaat	360
gaacatatct	cctttgaaac	cgcgaaaatc	ggctcgctgg	tggatgttac	cgagtctgcg	420
gacccagaag	gtctccgcgt	gttctactac	cttgtccagg	atcttaaagc	tttcattttc	480
tctctgattt	ctcttcattt	caagatcaag	cctaactctag	acctgtactc	acacatggta	540
ccaggttgn						549

<210> 4451

<211> 649

<212> DNA

<213> *Aspergillus oryzae*

<400> 4451

gggagaacgg	gaacgctttt	ttgcttctgt	taacctagag	cgtacccgag	cattcggaaa	60
gcttgtggat	agtgcacaga	gcccgatccc	caagcttcca	tggggcgaag	actttgaaaa	120
ggacaagtgt	cttagcccag	atttcaacttc	gttggaaagt	ttgagcttcc	aatcttcogg	180
catacctgct	ggcatcaatc	tcccaaatta	tgaagatata	cgtcaaaaatc	taggtttcaa	240
gaacgtttct	cttggaatgt	tgttagcgc	caaagccct	aacgagcctg	ttccttttat	300
tgccaagaag	gatttggaag	tttatcgcag	atgccgtgac	cccgcgtttg	aagtccaggt	360
aggcatccat	gaacttcttg	ggcacggaac	tggcaagctt	cttcaaaaga	ctgccccagg	420
agagtataac	tttgatattt	gcaaccctcc	tgtgagtcca	gtcacgggaa	aacctgtatc	480
tacatggtag	aagcctggtc	agacctggag	ctcggttttc	ggagctatcg	cccttttttt	540
atgaagagtg	cccgcaaaag	tgccgtgcta	tgggtgctcaa	ctgcgacttt	agcatcctga	600
agatttttgg	attcggaaac	gggcaagaag	atctcaccca	cgaaggctgg		649

<210> 4452

<211> 684

<212> DNA

<213> *Aspergillus oryzae*

<400> 4452

gtcacaacgg	tctagtacct	cagaacctcg	aatgaaggca	tcgaacagtt	tcgtgtcgca	60
agagatatcc	gaaatgaagc	cgcagattgc	aagcgttgtg	aggatcagcg	tgattacctt	120
ctgcaatgga	gcccgttaat	ccgttatctg	agtgaaca	ttcgacaact	cggaggtgat	180
ctctctagcc	acaatatcta	ctgtcgccgg	tgtacgaata	ggaaagctgg	aggctttgac	240
ccggactttg	ggatcctgct	ttgcgcaaat	gagatgaaag	accaaggaca	tctcgaggac	300
acaatggctc	atgaaatggg	tcatgcttat	gatcacttga	gattttaaagt	tgactgggca	360
gataacttga	gacatgcggc	gtgtactgag	atacggggcca	gctcccttag	tggggaatgc	420
agatggggcg	gggagttctt	tcgacgaggt	caatggcgat	tcacacaaca	acatcaggaa	480
tgcgtcaaaa	gaagagcaat	cttgtcgggt	cgggcaaggc	ctacatgcaa	ggatgaagct	540
cacgccgaga	gggttgtaaa	cgaagtgttg	gtagttgct	tcagagacac	ttcgccgttc	600
gacgaaatct	acggttgaca	ccatgggttt	tctctagcct	acctcatatg	agttacttgg	660
tgttccattt	ctctatccga	aaaa				684

<210> 4453

<211> 675

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(675)

<223> n = A,T,C or G

<400> 4453

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ttccaccgcc	cgtgtcgaa	tggaagaatc	ccaagggtta	tacggttccg	ctcgataagc	120
gtttggccgc	agatggtcgt	ggtctgcagg	atgttactat	taacgataag	tttgctcagt	180
ttgctgaggg	tttgttcaat	gccgatagac	atgtcgtgta	ggaqgttaqa	ctgcgtgctc	240

agatgcagca	aaagctggcg	gaaaaggaaa	aggcgcagaa	ggaggaacac	ctgcggggcac	300
ttgccccaaa	ggcccgcgaa	gagagagcta	ccagcagccg	ccgcgactcc	cgtgccgttt	360
ctcgcctctcg	ttctcgttct	cgcagtgtea	gccgcagtc	gtctccgtac	tctgatcggt	420
ctcgcactcc	tagtgatgac	gaacaagctg	cccgggagcg	cgagcgcgat	cgtcgcgaac	480
gccgccagga	aaacgagaga	cagctccgtc	agtcgagaa	gggtacagag	agacgtattc	540
aggccatggc	ccgtgaacag	aatcgtgata	tctcggagaa	ggtcgctctg	ggattgccaa	600
accgactcag	tctttcgaga	ctatgtggga	ttctcgtctg	tttaatcaga	cgagtggaa	660
gggactcnga	ttcaa					675

<210> 4454

<211> 897

<212> DNA

<213> *Aspergillus oryzae*

<400> 4454

ccctctcaag	gtcatcgaga	ttggcggttc	cgtagtcttc	ctctccgaca	gcaagggggc	60
cctgatcgtc	aaagggtgag	gtagcttcac	ccccgaggag	atcaaacacca	tggcccagat	120
caaggctcag	cgcaagcaga	tctccgagat	tgccagcact	gaggctttcg	cttccaagtt	180
caagtacatc	cccgggtgcc	gtccctggac	ccacgtcggc	aaggctcgaca	tcgtctctcc	240
ctctgctacc	cagaacgaag	tttccggcga	ggaagccag	gccctcatcg	acgtctggctg	300
caagttcacc	gccgaagggt	ccaacatggg	ttccactcag	gacgccatcg	acatcttcga	360
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ctggacctcc	gaggaggag	atgctagtcg	aaatgatatt	atggacgact	agataccaga	540
ggctactact	cactacgtat	gaatagatgt	aagaagcgtc	gggacgtctt	atcatgtgac	600
ataatgagag	acgataagag	atgtttcaac	tcgagatgtt	gatttatgaa	tcaaacgtcg	660
acgtatgtca	tatggggcaa	gtgatgcca	tatgacacgc	attatactag	agatgtatga	720
catgacgcaa	gtcacgacat	atgacgagat	gagacacgaa	gatgccacga	agatacatgt	780
gaacactaaa	agatcgagat	aagtgatatg	attataagat	tgggtgccac	gatatgacgc	840
tcgcgcttgg	agatgacaat	gagtatgaga	tgtatacgat	catgaacgtt	atggacc	897

<210> 4455

<211> 1286

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1286)

<223> n = A,T,C or G

<400> 4455

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tgcagccctt	caagccttcc	gtagcgcgcg	tcgtgtaccg	gtatggagag	ttgctggtag	120
gaaaccgcgt	gctgtgtcgt	tctctagcag	caatccgcta	gctctccgac	cctcctccgc	180
cgggaagcac	ccttctttca	tccccgcgac	cttactactca	tcgatgcac	tccggaactt	240
ttctcttggc	gtgatatcga	cggtcgttgc	atctggggcc	tggtacgctt	atcagggtgg	300
cagttcacag	tggcagcag	tagcgggctt	gaaccggacc	atatctactt	ccaccacggc	360
gtacgctgag	gaccttccg	agtcaccccg	ccgcgctctt	ctgggtggata	atgatcagtt	420
ttataccgcg	actattaaag	gagaagaacc	gcttcgcaaa	cajaacqacq	actctgacng	480
ccgactttct	gaaatgttga	cacccggagca	agctacgcag	aagctgagga	agaatgaaga	540
gtcgtacttg	gttaaccgag	gcaagggtgt	tggttcgctat	gatgtgggtgc	aagtgcctag	600
caactcgccc	attgaagacg	atcatgcgca	aaagatagta	gaggtgcggt	ccacagtagc	660
tacagcgaaa	gagggcgag	ccaacagcga	ctggatgttc	tggggcggtgt	tgcacgggca	720
ttctggttgg	acgaacttcc	ctaagtttgc	caatgttctc	atttctctacg	tggctcqqqa	780
attgaacacc	acttacaagg	ctgcggctgc	tgatccttcc	ctaactaac	cttcccttgc	840
agctatcgac	gcagctatca	agcagggtct	tacccgattg	gacaatgata	ttgtgcacaa	900
cagtgctgaa	aaagtgctca	agtctaaact	cggagagatc	gcagccgaga	cacttgcccc	960
cgtcttctcc	ggtcttctgc	ctctcttctgc	cttttatgac	tcccagtcac	aggatttgaa	1020
ggtttgctgc	gcgggtgatt	ctagggcctg	ccttggtcgt	cgtqqgcqqa	acggaaagtg	1080

gtctgcaacc	gcgctgtcgg	aagaccagac	cgcccgact	ccttccgaaa	tgcaacgtct	1140
acggggccgaa	cacctgggg	agcccaacgt	tgtacggaat	ggaagaattc	taagccaact	1200
ggagcctatc	cgatcttttt	gagatgcgtt	ctacaagtgg	agcanagaga	ctcaagatta	1260
gatcaaacgg	gaattcttcg	gaaaaa				1286

<210> 4456

<211> 670

<212> DNA

<213> *Aspergillus oryzae*

<400> 4456

caaaattaat	tgcagaggct	ggcttccac	ctggcgtcgt	caacatcatc	tccggtttcg	60
gaagtcacgc	cggtagtgcc	atagcatccc	atatggatgt	gcgctgcctg	agcttcactg	120
gttccacagc	caccgggtcaa	aaaatccaaa	tgcagcagc	caagtctaac	ttgaaagtag	180
tccacttgga	actaggcggc	aaaacaccag	caatcatctt	cgaagatgcg	gatatcgaaa	240
aagcagcaga	aaagactaaa	ttcagcctcc	acttcacgag	cggacaaaac	tgcttccgca	300
actcccgcat	ttatgtgcag	gagtcctgtg	cggataaatt	catagcagta	ttcaaggaaa	360
agttcggcgc	cgcggcgggc	atgggcaatc	ccctcgagcc	gacgacgaac	cacggaccgc	420
aggcagacaa	cattcagtat	gagcgggtca	agtcgtacct	agaaatcgga	gaaaaggacg	480
gaaagctcac	gatgggaggg	gatggcggaa	tgggcttcat	caagccgacc	gtctttgaaa	540
acgtccctga	tgactctcgg	cttatgaaaag	aggaggtgtt	tggacctgtt	gtggcgatca	600
atacgttcaa	gacagaggag	gaggcgattg	aacgggctaa	tgctccgag	tttgggtctt	660
acgcctctgt						670

<210> 4457

<211> 745

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(745)

<223> n = A,T,C or G

<400> 4457

ggcgggatga	angacttoga	atcaacttcg	cgcgagggca	gatcgcgggc	acccttgacc	60
gggaccaaga	gcttttcaac	tttggccttt	gcaggcggca	ctgtcctggc	caatgcatgc	120
ggggccatgca	ttggtcagtg	gaagcggact	gatggcgtgg	ctaagggcga	ggataacgct	180
atcttcaactt	cgtacaaccg	taacttcccc	ggcgttaacg	acggcaaccg	tccgacaatg	240
aacttccctgg	cctccccaga	gcttgtcaca	gcgctggcgt	attccggccg	tactaccttc	300
aaccctatga	cgcacagctt	gaccaccccc	agtgggtgagg	agttccgggt	ccagccccc	360
actggctctg	cgtgcctgc	tgatggcttc	gaagacagta	accccgactt	caagcccacc	420
gcggcggccc	cgcagcgag	ctgcgaggtg	gttgtgtcgc	ccacttccga	tcgattggct	480
ctgctggagc	catttgctcc	ctttcccaag	ggaaacctgt	ctggtctgaa	gggtctgtac	540
aagggtcaagg	gccagtgcac	cacggacacc	atctccgctg	ccggcccatg	gctcaagtac	600
aagggccacc	tgcccaatat	ctccgccaac	accctgatcg	gcgcgcgaac	gccagcactg	660
gcgagaacaa	ccgtgctaac	gacaaaacgg	nagcatatct	cattcccgac	ctggccgntc	720
aatggaggcc	gaaggaatcc	aatgg				745

<210> 4458

<211> 642

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(642)

<223> n = A,T,C or G

<400> 4458

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acaattttac	gtactatctt	ctagctactt	tctgctaagt	cgtgtaccag	ccgatcaccg	120
ctacgctacg	taagcgacgc	catgtccggt	gcaaggcatt	gggagcagga	taaagaggcc	180
accgtctaca	ttgggaacct	tgatgaaagg	gtcacagata	gcctgggtatg	ggagttgatg	240
ctgcaggcag	ggcgcatcgt	taatgttcac	ctgccaaaag	atcgagtcac	acagtcccac	300
caaggttacg	ggtttgttga	attcatcagc	gaagaggatg	cagaatacgc	atcccgaata	360
atgaacggca	tccgtttata	tgggaaacca	atacgcgta	acaaagcgtc	tgctgacaag	420
cagaagtcgg	tggaaatcgg	cgcggaactt	tttggtggga	accttgaccc	catggtcacg	480
gagcaagtcc	tttataatac	attcagtcga	tttgggaaact	tgatcaattt	accaaagatt	540
gcacgagatg	acaataatct	atcaaagggc	tatgggaattg	tgctggttcg	cgaacttgaa	600
acatcggatg	cgcctatagc	aaacatgaat	ggccagtacc	tn		642

<210> 4459

<211> 645

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (645)

<223> n = A,T,C or G

<400> 4459

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atgacgtcca	tggtaactgg	ttacgatctt	tctaattcgg	tcttctcgcc	agatggccgc	180
aactttcagg	tggaaatagc	agctaaagcg	ggtgaaaatg	gcggaacagc	cattggtata	240
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ccgggtgcaa	ataagagaat	agcaacagtc	gatcgacacg	ttggtattgt	ctctgccggt	360
ctagttccag	acggtcgaca	ctttgtttcc	cgtgctagag	atgaggctgc	ttcatggaga	420
agcgtataca	agggccctat	ccctgtgtct	gctctgtcga	atcgtttggt	cagctacgta	480
caagcttata	ccctctactc	cagtgtacgg	cccttttggtg	tgaccgctat	cgtgggctgg	540
tgggattctg	aagcgcagct	tgccgtcgat	ggtcaagtcg	gcagtgggcc	taaatcaagc	600
tctgggggaa	nggtgatggg	gctagggcct	gaggaccaag	cctat		645

<210> 4460

<211> 669

<212> DNA

<213> *Aspergillus oryzae*

<400> 4460

ggttaaccgg	atatactcta	tcccacccat	caccacattc	cataacagcg	ccctttcatt	60
gggaaagtca	ctcttccttg	aaattgggta	catcgcgga	catcgtaact	tctttaatcg	120
caaggcttgt	gatactcctt	gggtgctcg	ttcatcaact	agtactttgc	caagagcaag	180
tctccgtctt	gtcgggtggt	gatcgactct	ccccgattta	cctacccctg	ttgcgacgaa	240
tcttgattcg	cctcggtctg	tcagcccttc	cgagcttccc	ttaagtacag	gcttcgtccc	300
ctcttttagct	gcactcctcg	gtgctaggtt	aggacgagtc	acatgccacc	accggcttct	360
tcagtggatt	tcaccaatct	gctgaacctt	cagaataacg	agactgggtc	tgacaccttc	420
acgccagtgg	atagctccaa	ggtccctctt	accccgcca	gtactcagtc	caactctacc	480
atggcctcgt	ctgttagctt	actaccgccc	ctcatgaagg	gtgctcgttc	cgcaacggaa	540
gaagcgcgcc	aggatcttcc	cgtccatac	aagtgtcccc	tgtgtgatcg	cgccttccat	600
cgtttgagc	accagaccag	acatattcgc	acacatacgg	gtgaaaagcc	acacgcttgc	660
cagttcccc						669

<210> 4461

<211> 679

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature
 <222> (1)...(679)
 <223> n = A,T,C or G

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cccttatatt ccgccaaagc tatctgtgca atctcccttc cttataactc acaaatttgg      60
ttatacaaca atgtcagcta aaattcccag aaacttttagg ctccttgagg agctcgagaa      120
gggcgagaaa ggccaaggag cagaggcttg ctccataggt cttgcagatg gagaagatat      180
gatgatgagc aactggaacg gaactattct cggccctcct catagtgtcc atgaaaacag      240
gatatacagt gtcaacatcc attgcggtcc cgattaccca gacaatcctc ctgagatcca      300
attcatctca aagggtcaatc ttccttggtg agaccacga actggcaagg tcgaccctac      360
gaagcttccg tgcttggttc aatggaagcg cgactatact atggagacca tcttgcttga      420
attgagaaga tatatggctc ttccgcaaca caagaagctt cctcagcctc cggaaggctc      480
gaactttctga gttgatgata ttgcaggata catgatcgga gtattgtggt tagttttgcg      540
tcagggtctcg tcattctcatc ctttctcttc tntcatnatt gaagcgtgta cagtctatgc      600
ataacggcan gcatggcggtg atctccttcc gagtcttcag tccaattatt atttagaant      660
atctcggaat atctatatn                                     679
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<210> 4462
 <211> 936
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(936)
 <223> n = A,T,C or G

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<400> 4462
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ccctacgccc gctacgcagt cgtctgcgac cccatcgacg gatcctccaa cctggacgct      120
ggcgtctcgg taggaacctt cttcggcatc ttcaagctgc ccgactccgt cctgggtccc      180
gagaacaagg tctcccccaa ggatctcctc ctccccggta ctgagatggt cgcctccggt      240
ttcaccatgt acggtgcctc cgcccaactc gtcaccacca tgcgcaatgg cggcgtaaac      300
ggcttcaccc tggagaactc cctgggtgaa ttcatcctca ctaccccaa catgaccctc      360
cccgccaaagc gcgccatcta ctccgtcaac gagggtaaca gcagctactg ggaggagtgg      420
accaacgctt acttcactc gctgaagttc cccccgagg gccagaagcc ttacagtgct      480
cgctacattg gtagcatggt ggctgatgct taccggacac tgctctacgg tgggtgtctc      540
gcttaccocgg ccgacaagaa ggcccccaag ggtaagctgc gtattttgta cgaatgcgcg      600
cccattggcta tgctgtttga aaacgccggt ggtctcgtg tgaactcccg catggagcgc      660
cttctgggcg ttgtcccga gacattcac gacaagagt gtgtgttcc cggctcgaag      720
gatgaagtac agaagatcat cgacacatat aacangtaca agaaataaac tggaaatata      780
tcggcccata tgtggccggc ttataccggt gagaagcctg nagattccac caccggatgg      840
tattttaatga ggatggtcat gggtatttaa tgtatgaaaa gcgtctaaac taaataaatt      900
ttgaaataac atttgaaatt ttttaannna aaaaaa                                     936
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<210> 4463
 <211> 629
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

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<400> 4463
gcgaacgcta cacatttcca atgaccocggc tccgggatat aatattgaac aattagccaa      60
aaagggcaag caattagttg atctaccata cactgtaaaag ggaatggatt gctccttctc      120
tggatatetta gccgcagtggt atggccttggc cagcacatat ggactanqtg gcgaagggaa      180
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ggatgatgag	accgacaccc	ctatacctga	tgctgatggt	aatggaaaac	ccaccgcgc	240
ggacttgtgc	ttctcactcc	aagagactat	cttctccatg	cttggtgaaa	ccaccgaacg	300
cgcaatggcg	cacgtcggt	ccaaagaagt	tctgattgtc	ggtggtgttg	gttgcaatga	360
gaggttacag	gagatgatgg	ggatcatggc	tccggatcgc	ggaggtagcg	tccatgctac	420
agacgaaaga	ttctgtatcg	ataatggaat	aatgatcgcg	caggcaggct	tgctcgcata	480
ctcgactgga	ttccgtacgc	cattgaagga	ttccacatgt	acgcaacggt	tccgaacgga	540
tgatgtgttt	gtaaagtgga	gggattaata	tgccgattta	actaccgggg	ccccattcac	600
tgggataaaa	tagatttacg	aagacgttc				629

<210> 4464

<211> 666

<212> DNA

<213> *Aspergillus oryzae*

<400> 4464

gtcgtgaaac	ttgccgacat	cttcacctcg	cgtctgattg	aggaaatccc	catcgatttg	60
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aatgccttcg	gcaagcgaac	ctcgaagccc	cttgctcgact	tctctctac	ccacgttctt	180
ttgcgccatc	tgattttgaa	caataatggt	atgggccctg	atgcagggtgt	ggagattgct	240
ggagcgctgg	aggagctcgc	aaagcgtaag	gatgaggccc	gcaaggcagg	aaaggaggctc	300
cctcagttag	agagcattgt	ctgtggctcg	aacgcactgg	agaatggaag	tatgaaagca	360
tgggcacgtg	catatgaggt	gcacgctgca	ggaatgcgct	cgggtgaagat	gacacagaac	420
ggaattcgct	aggaggggat	ctccagcctg	ttgagggagg	gcttcgccac	gccagcaacc	480
ttgaagtctt	tgacttgag	gataaacact	tcaccattta	tgggtcaac	tgctctctct	540
gaggtgcttc	caggetggac	ttccctgcgc	gcagctcggt	gtcgggtgact	gtttgctctc	600
cgcccgtggt	ggtgtcaagg	ttgcgcaagc	ttttggctgg	tgccaagaac	gagaagttgg	660
aaacag						666

<210> 4465

<211> 682

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(682)

<223> n = A,T,C or G

<400> 4465

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gctgaaggcc	cggaaactcca	ccggctcgtt	ttcatggaag	tccgcgctac	tcttcgctcat	120
taccgggtgcg	ggtatgatcg	tttatttccg	ggtggagaag	gaacggttgg	cgcggaagcg	180
catcgacagag	atgagcaagg	gagttggctg	gcccgaagggt	ggaggtccat	tctgtctgaa	240
ggacttggac	ggcaagcagt	tcaccgatga	ggatctgaag	ggaaagtaca	gctttgttta	300
cttcggcttc	acgcactgcc	ccgatatctg	cccggatgag	ttggataaga	tggccgagat	360
tattgacaaa	gtgaaggagg	ctaccaaggg	cgagaacatc	ttcttgcttg	tctttgttac	420
ctgcgactct	gctcgcgata	cccccgaaagt	gctgcgctcg	tatctccagg	agttccacgg	480
ggacattatc	ggcttgactg	gcacgtacga	gcagggtgaag	aatatgtgca	agcagtaccg	540
ggtgtacttc	agcacacgcg	aaaacgtgaa	cccgggcgag	gactatctgg	tggaccacag	600
tatctacttc	tacctgatgg	accccccagg	ggganttcgt	cgagtgcatt	ggcccqccan	660
gatacccccc	atttcgcctc	cc				682

<210> 4466

<211> 636

<212> DNA

<213> *Aspergillus oryzae*

<400> 4466

gtacaactag	cgggaagacaa	gcaatggcgt	gtccgtcttg	ctatcatcga	atatatccct	60
cttctcgcca	gcccactggg	ggttaagttc	ttcgacgagc	aactcagcga	tctttgtatg	120

agctggcttg	gtgacaccgt	cttctctatc	agagaggctg	ccacgcagaa	cttgagaaag	180
ctcacggagg	tatttggggg	tgactgggct	aagggttcta	taatcccga	ggttatggcc	240
atgggacagc	acccgaacta	cctttacaga	atgacaactt	gcttcgcgat	ctccacactc	300
gcacctgtcg	tctctttaga	tatcattgag	aactcaattc	ttcccatact	ggacagattg	360
gtcactgacg	agatcccaaa	tattcggttc	aacgttgcca	agtcttatgc	tgtgttgatt	420
gacacattgc	gacgcttgcc	agcggagggg	actttggcta	acgtggaagg	aaagactgca	480
acgccatcgc	cgcgtagtca	ggaccttatt	cagcagagaa	ttattcccag	cttgagaaag	540
cttcaagggg	acaacgatgt	ggatgtcagg	tacttcgcaa	cactgctgcg	ggcggtaatg	600
acaaggtcat	gcaaacttca	cogtatgccg	ttgact			636

<210> 4467

<211> 679

<212> DNA

<213> *Aspergillus oryzae*

<400> 4467

caatcgcgat	cccgctcgcg	caacccgccc	tcatgtcgct	cggtgcgggc	gagaagagga	60
acttccagta	catcttgctg	ctgctcaaca	ccaatgttga	cggcaagcag	aagattatgt	120
acgccttgac	ccagatcaag	gggtgcggtc	gccgttactc	caacttggtc	tgcaagaagg	180
ctgatgttga	cctcaacaag	cgcgcgggtg	agcttaccac	cgaagagctt	gagcgtgtcg	240
tcaccatcct	ccagaacctt	acccagtaca	agatccccac	ctggttccctg	aacagacagc	300
gcgacatcac	cgatggcaag	gactcccagg	ttgtctccaa	caacttggac	agcaagatgc	360
gtgaggatct	cgagcgctcg	aagaagatcc	gctcccaccg	tggtctccgt	cactactggg	420
gtctccgtgt	cogtggacag	cacaccaaga	ccaccggctg	ccgtggccgc	accgtcggtg	480
tcagcaagaa	gaagggtctaa	gccatacgag	agggtcacta	tgctgtgttt	tttccctcgt	540
acttgcgtgt	ggggatgggg	gaattccttt	ttggatgttg	gtgtgtttta	acgaattctc	600
gtgggacctg	cacatgatct	gggtgttaaat	ataaaaaattg	gcacgggtcg	aaaaatgaaa	660
caatcatacc	aatatgaca					679

<210> 4468

<211> 1705

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1705)

<223> n = A,T,C or G

<400> 4468

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atgcagatgc	taacgatgag	gccaaaccga	aggctctcga	cgaactcgag	aagcatctga	120
caccagagga	gcaggcaatc	ctaaagaccc	tgaagggaag	acgcattggtc	cgcctccagg	180
attcgtctca	cattgacaat	ttcacccttg	actctatcga	cggcctcgct	ccgcgtttgg	240
agaggggaaa	cctcggattg	tcccagcga	agaaagccga	ggtcaaatac	acaacccatg	300
atgcgtgtgc	tttctcaac	ggcgaagcaa	gagcggccaa	gaagacgctt	tcaaattggcg	360
aatcccaaac	caatggnaac	cacttgtgca	aagacacgac	cagacgaatg	gtcataccgc	420
gattaacggc	catatcgaga	acaatagcca	gggcgacact	aatggacata	cggaggccaa	480
tgccacacgc	caaacaaatg	gtcattccaa	tgccatgcc	cacaccaatg	gaagccacac	540
gaccaaogcc	catgatgaat	taaattggaca	caacaaatgtc	gaggtgcgct	cogtcaaaaq	600
ctgcattgga	gacctcattg	cagccgagaa	gatttcttcc	cagacttcaa	togaagaagg	660
cactaggaac	cgtttgatct	cgtcactgca	ccaatcggcg	gaggacttgg	agactccttt	720
cgacactgtg	gtgcgattag	ttgatgcggg	tgcacagaca	gcaatggttt	gcataaggcg	780
ggaccttgga	atcttcaagt	cctcgttgya	gagcaaaaag	ccgttgtcag	cogaagagct	840
tgccaaaggt	actatggcgg	acccactgct	cgtcgtctcg	atcatcgcat	aatatggctgc	900
cagtcgtctg	gtcggagaga	caggaaactga	ccagtaactg	gccagcaaga	agacgtacgt	960
ctttgcgcac	ccacgcattg	agcatcccat	ccggtttttc	catgcgttca	gcaatcctgc	1020
cttccatgct	ttgcocgaat	tcttaaaggga	gactggatat	caaaatgaac	ccaagggcag	1080
tgcgtttcaa	aaggctctca	acaogtatct	ggagccctat	ccctggctta	agcagcatcc	1140
ggatgtgttg	aagaactttc	aagctgccaat	gggggtgacc	agagacgcca	atgggtgtgga	1200

tatgatgcct	ctcgatcagt	ctgtcagcat	tggacatgac	ggtgccatgt	ttgtagacat	1260
tggtggcaac	actggccatc	angctgctga	agtgcgtgcc	aagtaccg	agctcgctgg	1320
ccgagtgate	gttcaggacc	gtggtgaagt	catcaaagt	gccccgata	tcaaaggcat	1380
tcagtggatg	gagcacgact	tctttcaaac	ccagcccggtg	aaaggtgcca	agtattacta	1440
tctgcgagct	attcttcaca	actgggacga	caagaacacg	gtgcaaaatc	tcttcaacat	1500
ttgtgcccg	catgtcagcg	gattccctgg	tggcgattga	tgaatgggtt	gtgccacaag	1560
agaatgctca	tgtatggggc	ggccggcctc	gatcttcaaa	tgttttcttt	attcagtaca	1620
acggaacgga	cggcggtcca	atgggatgcc	atccctggac	aaacagggct	cctgctgtgg	1680
ccgttaaaag	tatgcgccgg	tattt				1705

<210> 4469
 <211> 605
 <212> DNA
 <213> *Aspergillus oryzae*

<120>
 <121> misc_feature
 <222> (1)...(605)
 <223> n = A,T,C or G

<400> 4469	
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acaaggaatt	ccagggccac
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acggggaccc	tgggactttc
aagtctcctt	ggaccgga
ttgaatcctc	acagaacagc
tttcaacact	gctctaaggc
tgaactgagc	tgcgcgactc
cgtatcatgg	ccaggacaaa
tgctgcttca	actatcccg
ggggcagttc	cttcaatcgc
agttttggga	cgcgcacccg
gccattggac	cggaggattc
ctggactatc	catggcttat
ggccagatta	ctgtaatgga
ggttaccctc	aattctgtga
ttcaaaaagg	cggtatagca
acatctccct	gattctgact
gactcaggta	gaggggacct
tctggatgag	atgcgaat
tctggaaaga	ctggaagggc
gacgaccgga	atctgtggga
gcatgagtgg	aacaaacatg
gaacatgcat	tagtacccta
gagactcact	gctacgacat
atactacccg	caacaggaag
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attgctacac	acaagatcct
tggcggggct	ggaatggtct
tcttn	

<210> 4470
 <211> 708
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(708)
 <223> n = A,T,C or G

<400> 4470	
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acgaggccta	ctatacggtc
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cttacgacca	gacaaaatgg
cgggtccgaga	acctcagttc
aaccaacagg	tccctgggtgga
caccacgccc	atgccggcgg
acattcccag	tgtccaggaa
gtcggcgcca	cctcggcacc
cctgactagt	gcggcgtact
ttatcggcga	caggtgcaag
gccttcaatg	atgactacat
gaagtgcaag	caggaggcca
atggaagggg	ggagttcgat
tgtctgaagg	agggacggaa
ggtgacgaga	tgtgctgctt
ctggttatcaa	agatatcaac
acccactgcc	tqaaacaatt
caccgcgcac	tgggagtgct
ttgagaacaa	caaccaccat
ctgtgggagt	gcgggaagcc
cgagatggag	ctgaataagt
gtgtctttga	caagctgggc
ctcaagaaga	cgatccccgg
cgcccccgag	ggccagaccc
cggttcatct	gcgtcccaag
cagatttatg	ctcagttccc
tggtcctcag	tattagggtt
tggtttatgt	ctgtctggtc
tggtctgggt	tgtggactgt
ttgtatgtgt	acatattanc
atangaatng	agtgtctcgg
nttctcggtc	tanannnnna
nnnnnnnnnn	nnnnnnnnnn
nnnnnaaaatc	ctggcggcgc
tcyagcat	

<210> 4471
 <211> 696
 <212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(696)

<223> n = A,T,C or G

<400> 4471

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accagaatct	cactatagca	cacacattgt	cttgaccacc	tatcccgggc	aaagcgggtat	180
agaccccgtg	cccctgaact	gggggtgcaaa	agatgccaaa	tcccgtgggc	cagtagtggt	240
ctcgcgcagc	gggccattgc	tgaaacgacg	caatgcaatg	ggcgcccatg	gcggtagcta	300
cagcatctac	aacgccttgg	ccatcgctgc	gggcgacctc	ccccctgact	tccgtccgga	360
ctttaagaac	agtgaaccca	cctttaattt	ccccctggcag	ccgcctggg	ccgacaaaga	420
caagatcgtg	tcaatggacc	cctacgggtca	cgatctcgtc	cccccaattcc	gggatgagtt	480
gaacgcgggn	tgggacattc	ggcctaccat	ggcgggtgac	cgcgctaata	tganaactggc	540
cgaaatcggg	gaggcagtg	gagacggaca	gcttgacgtg	gatggttcaa	tcttggtaga	600
ctcctcgggt	gaaagtcggg	tgacgaaggt	cgctgtccag	ccggtgtggt	atctgcctgg	660
agttgcgggg	cgattcgggg	tttgggaacc	tatctt			696

<210> 4472

<211> 456

<212> DNA

<213> Aspergillus oryzae

<400> 4472

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caccactgat	gagaagtag	ctaattgctag	cgacgacccg	aacatgtacc	tggactataa	120
gaacattacc	aattgtgatc	ctcccggaac	gtctatctat	gtcgacgatg	gtatcctctc	180
cttccaggtt	ctggaggctg	ttgacgacaa	gacctgcgc	gtcaagtgtc	ttaacaatgg	240
caacatgtcc	tctcgcacgg	gtgttaacct	gccccgcacc	gatgttgact	tttctgcctt	300
ttcgagaacg	atatcagtga	tctcaagttc	ggtgtcaaga	ccggcggcga	catgatcttt	360
gcctcgggtc	ttcgtcgggg	agtgacatac	gcactttctg	acgtgtgggt	gaaagggtag	420
gagattcgat	catcgcagat	tgagaccaac	aggtgttaaca	cttcac		466

<210> 4473

<211> 683

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(683)

<223> n = A,T,C or G

<400> 4473

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gcagaaactc	ttcgccttca	aggaaacata	naacgagtct	gagaatccat	tgatcaqca	180
tgcccgcagc	atttccgacc	gggtgggtgg	attcttttgc	gaaaatgaaa	ctgcccaggt	240
cattaagaag	ttccgtgaaa	tggtatccca	ctttcagatg	gaggaattct	tgccgggaat	300
gggtgaatat	atccttctct	aggtttttgga	gcggtacgtc	aaaggagatg	ttgagacact	360
caagcttttg	ctgtccgatg	ctcagttcag	ggtctacgct	gccctcgcca	aacagtacac	420
aactgcgggc	ctaaaatccg	atgggtcgtat	ctcagatgta	cggtgggttg	aaatcatqaa	480
cqcccgtatg	ttggacccct	gggatattcc	ggtgttctgt	gtgacctgca	gttcacagga	540
agtacatgtg	tacaaaaacg	tgaagaaccg	cgagcttgcc	gctgggtatg	aggataaggt	600
ccagctgggc	acttatgcca	tnctctctac	aaagatccct	gaaatgttaa	caaccgggag	660
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<210> 4474
 <211> 729
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4474
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 cgggtctgct tgcggcgccg tcatgaactg ctgcgacaac tccggtgccc gtaaccttta 180
 catcatctcc gttaagggtta ccggtgcccc cctcaaccgt ctccccgccg ctggtgtcgg 240
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 cggccccgtc ggaaaggagg ctgctgagct ctggcctcgt atcgcttcca actctggtgt 480
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 caggggaatc aaatcaaat ccgtctgggt gcaactatga acgggaaacg aaatcaagga 600
 acgaccgggt gataatacta gaaccgcgag tttcgtcact tcaatttctt ctatgacgtg 660
 tttctttttg gctcttatat ggcgactcgg aatataaaaa ttcagaaaat gggggcgctc 720
 ttctttaac 729

<210> 4475
 <211> 767
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(767)
 <223> n = A,T,C or G

<400> 4475
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 gcgagcgacc ggggtagagt cgtggtgcag acaagccaat gcggcttggt cgagcacctc 180
 tggttcgata gcctcgcgag tgaacagttc ttcgcgatgc ttttcaatgt atccagtttc 240
 tacctccccg gcgacaaaat cagggctctt gcagaccgtc ttcaggaatt caatgttggt 300
 aattggccct gcgacttagt actcttgtaa cgcagacgca agcttgcgga gagcctcttc 360
 tcgcgtattg cctctcacga tcaatttggc aatcattgga tcgtaatgag ctgaaaactc 420
 atcgccggcg acgaagcctg cgtctattct gacgtcttct gagggggtag gagtgcgaac 480
 gtgcagcagt gtgccagaat caggtatgaa tccctgatcg gggttctctg catagattct 540
 cgctcttatg gcatgtccac ggctcgccat gtgagcttct acttctctct ggggtcaattg 600
 aagcttagcg ccttcagcca ctttgagttg ccagtagacc aggtcctggc cagtgaacct 660
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<210> 4476
 <211> 644
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4476
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 atcgtcgacg atatcatcgt aaccgagctc aacctggggt ccatcccgcc agatctggaa 180
 atattagaga ttggtgattt ggcgagggat cgatttcgag gnatctttaa gatggcctac 240
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caactgcgca	tcttgtccat	ggacgaactg	cccgtatca	ttgattgact	atccctgcga	600
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<210> 4477
 <211> 655
 <212> DNA
 <213> Aspergillus oryzae

<400> 4477						
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tcggttgctt	acaagaacgt	ggtcggcacc	cgcctgtgctt	cctggcgtat	catctcctcc	360
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<210> 4478
 <211> 997
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(997)
 <223> n = A,T,C or G

<400> 4478						
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attgtttttg	ttgggttgcc	atccccatag	ttgggattgg	aaggactttc	cggatcattt	900
ttctttcttc	aatgtgggga	ttctggattg	gcagaaatca	caagggaacc	ccccgcgcgg	960
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<210> 4479
 <211> 670
 <212> DNA
 <213> Aspergillus oryzae

<400> 4479						
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tattttcttc	ttacacgta	ccttcaccga	caacctcacc	agaccgcgcc	actctcagtg	180
ttcgcgccct	cctcatccac	aaccatccga	gcgtcttacc	ccttaacgcg	ttgtctggca	240

tcactctaaa	tggacaacaa	tatggaaatc	gataccgcgc	ggccccccga	gccccaccgc	300
ctgtcgccaa	cgtctgaccc	tgggtcgata	ccgacattgg	acggatggat	tgaaaatttg	360
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gtgttgccagg	aagaatccaa	tgtgcaacca	gttaaattgc	cagtgactgt	gtgtgggtgat	480
atacacggcc	agttccacga	cttaattggaa	ctgttccgca	tccgaggccc	gaatccagac	540
acaaactatc	tgttccatggg	tgactatgtc	gaccgtgggt	attactccgt	agagaccggt	600
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<210> 4480

<211> 671

<212> DNA

<213> *Aspergillus oryzae*

<400> 4480

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gggaggttcc	gtgcccgtgt	tcgatgagat	tgtcatcaat	acgtcgcgca	tgaacaagat	180
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ggcggatcag	tacctggcgg	agcggaaacca	cttgttcctt	ctggatctgg	gcgccaagggt	300
ttcatgccat	attgaaggta	atgctgccac	aaatgctggt	ggactgcgtc	tgcttcggta	360
cggtagtctt	catggaaaca	tcctcggtgt	tgaggcgggt	tggacatagg	gtactattga	420
catctctctc	tcgactctgc	acaagaacaa	caccgtttac	cacctaaagc	atctgtttat	480
tggcgcgagg	ggcaccattg	gtgtcaataa	gtgggctttc	catcctgtgc	cctccccgcg	540
ccgaaagcga	aaatggcgtc	ctttatgggg	tgaaaaaaac	aaccaaacaa	ggtgggtccc	600
ggcacacaag	gaaggaaaaa	ccccattttt	ttgaaatttt	tcttcttttt	caagcttatg	660
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<210> 4481

<211> 645

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(645)

<223> n = A,T,C or G

<400> 4481

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gacaaattca	cccaggctat	cgcgatcgaa	cccagaaacc	acatccttta	ctccaaccgt	180
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acggaaatca	agccagattg	gtctaaaggc	tggcagcgta	agggagctgc	ctatcgcggt	300
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atggctaaag	tgcaacgcac	caagcagaac	ccgaatagtg	tongtgaaga	gatcaaggat	600
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<210> 4482

<211> 693

<212> DNA

<213> *Aspergillus oryzae*

<400> 4482

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ggtgaagagc	tatgaaaaac	gaagggttgac	aaagtcaatg	cggagttagt	cacattgact	180

tatggtacaa	ttgttgcaca	attatgtcag	gactatgatt	caaattatca	ggaagtcaac	240
aaacagctgg	acaagatggg	ctacaatatt	ggtatgogac	ttatcgaaga	cttcctggcg	300
aagtcaggcg	tgggocgatg	ttccaacttt	cgggaaacag	cagacatgat	cgcaaaagtc	360
gggttcaaga	tctttcttaa	catctcgctt	actgtaacga	attggaccag	cgataataac	420
cagttttctc	ttgtgttcga	ccagaatccg	ctagcccgat	ttgtcgagct	gccagatgat	480
ggtagggcgc	aagatgagtt	gtgggtctct	aatatcttgt	gtgggtgtct	gcgggggtgt	540
ttgagatggg	tcaaatgcaa	gtcaaagcgc	attttttaac	caatgtgttg	cggggtgacga	600
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aggatttact	aagtctttgc	gaccaaaaaa	gct			693

<210> 4483

<211> 900

<212> DNA

<213> *Aspergillus oryzae*

<400> 4483

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gtcaccgatg	atggcttctt	gtccctgatg	gacgacaatg	gtggcaccaa	ggacgacgtc	480
aagctccccg	atggcgagct	tggtgagaag	atcaaccgca	tggtcaccga	ggaggggcaag	540
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gcccccaagg	gtgcttaaat	aaccatagtc	atggactcta	tttgtgtctc	ttgggtccct	660
gtgtgttcca	gggtatctct	gaagtttgca	ccttcgattg	tgaaggatgt	cacgtttttg	720
agatccgacc	tggtctttat	attgaccact	tagccttgga	gaagggttgc	tttagttggc	780
agcgtaaaag	atgcttttgt	atgacgggaa	ccggtctgag	tctagctttc	acgatatttt	840
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<210> 4484

<211> 1020

<212> DNA

<213> *Aspergillus oryzae*

<400> 4484

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aagggtacca	atgccgcccc	gaaggctggc	aagaaataag	ctgggttaata	tgtgcgggga	180
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tggtttctgg	cactgggatt	agttttcgtt	ttgtctgcga	ataaatagta	ggctgccgac	900
gacgcgggtg	agtggattgg	atctcatggg	atgcattcca	gcattgtacat	taagaaattt	960
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<210> 4485

<211> 736

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(736)

<223> n = A,T,C or G

<400> 4485

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cttcgtgagg	gcactggctg	gcaggattgg	aaaaggatgg	gggaaaagct	tacacaggca	720
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<210> 4486

<211> 761

<212> DNA

<213> *Aspergillus oryzae*

<400> 4486

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ctcatcaaaa	ctggaaaggc	aaccgcgtatt	gtcgttctag	caggggcagg	aatctccaca	180
gcagctggag	tgcgcgactt	cagatcacca	gcaacaggcc	tctacgacaa	actggcgcca	240
ttaaaacttc	ccttcccgga	agccatcttc	cacatcaact	atttccgaca	cacgccagaa	300
ccattctacg	cgatagcgag	agcccgcaat	cccaaaaacc	tccaaccaac	aatttgcgac	360
gcattttctg	ccttgctggc	taagaagaac	ctgctggatt	ttgtgttcac	gcagaacatc	420
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gtatttggcg	cagacttgat	gattgttatg	gggacaagtc	tcaaggtggc	gccatgtgca	720
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<210> 4487

<211> 922

<212> DNA

<213> *Aspergillus oryzae*

<400> 4487

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aaggggaaca	aactcttcta	ttccaacaat	ggcactgaat	ttttcatccg	tggtgttgcc	420
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cacactgagt	gcattgaagat	gcttgacgac	gccggcatct	accttatcac	cgatctgtcc	660
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<210> 4488
 <211> 617
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4488						
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<210> 4489
 <211> 1026
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4489						
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<210> 4490
 <211> 328
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4490						
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ggtcaagtc	gggttctggg	ctctcgagct	aattgacacg	aaatttctcg	cacctaacca	180
cggacacgtc	ctcttaagtg	caaattcccc	gatcctctcg	taccagattg	gcacccacga	240
gacccgtatc	ttggtcgaca	tcccagagaa	cctcccatct	gcgtcagtc	agaatgggtg	300
tgtcaagaat	cacctatgga	acgtgacct	cccgagtctg	tccagccagc		360
ctttcgcgc	gcgctggaaa	agggcncggt	gaggtctatg	ccgaactcat	tccttcccgc	420

cgcccagaac	aaaactccgg	ggcttgtaat	actgggcat	gcgctgaaca	tgcggcatcc	480
gttgaccggt	ggcggcatga	ctgtggcttt	caatgatgta	cttgtgttcc	gggatctgtt	540
gagtcgccaa	aagggtcccg	attttgcaga	caccgaaaag	gtgttgaaac	agctgaagtc	600
cttccactgg	aagcgaaaaa	aacggatcct	ctgtcatcaa	tatattggcc	atgggctgtg	660
tacgcccttt	tctctgcgaa	tgatgaaaac	ctccgcgtcc	tccagcgagg	ctgcttccac	720
tacttcgata	tgggcatgta	ctccgagcca	atgggtcttt	tgggaggcct	tatcaaaaag	780
ccctttggac	tattctacca	tttcttcact	gtcgcatcca	tctctctt		828

<210> 4491

<211> 764

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(764)

<223> n = A,T,C or G

<400> 4491

ggtggctata	cactattata	cggaggcttg	actgcggagg	caaatctgct	agtgctcgta	60
tcatagcagg	tttatggccg	gtttatcggt	ggtagtcag	tgcaccaatg	ggattcggac	120
tggatggaat	tatgttccct	ccacaacgac	cctacctcag	tgtgggtact	ctgcgtgacc	180
aagtcatcta	ccctcacacg	gaggtcgaca	tgcgcaaggg	aggtatatca	gacgcatgtc	240
tacaaaagat	cttggatgac	gcccacttag	gttacctccc	taccgcgag	ggtggatggg	300
actcccgcaa	ggagtggaa	gatgtcctga	gcggtgggtga	gaagcaaaga	atggctatgg	360
cacgtctata	ctaccatgag	ccccgttacg	ccttctctga	cgaaggaacc	tctgcggtct	420
cctccgatgt	tgagggtctg	ctgtacgagc	gggccaaaaga	gcgcggaatt	acactcatca	480
cgatctctac	gcgtgcgtct	ctcaagaagt	atcacactta	caacctcacc	cttgggtctg	540
gctccgaagg	cgaacagtgg	gagtttgagc	ggattggcac	cgccaaggag	aagatgaatg	600
ttgagaaaga	gctgcaagaa	cttcgtaagc	ggctggataa	ggtcgatgaa	tggaaacaac	660
gccgagagga	gacgagaaac	gaactacgta	aggtttgggt	tgaggaagga	gagctggccc	720
cgcaccata	tactgaacag	ccgganacag	ctganagctc	acgg		764

<210> 4492

<211> 699

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(699)

<223> n = A,T,C or G

<400> 4492

cactttcggt	cctttgggac	acatactact	tccccttttt	ttcatatcag	atttgacatc	60
tgatattgca	tcgagtggaa	atctatcgcg	gttagcgatt	ttccgtcatg	cccaagaata	120
agggaaagg	cggttaagaac	cgctcgctgt	gaaagaacga	gagcgacaaa	gagaagcgtg	180
aactcgtgtt	caaggaagaa	ggccaggagt	atgccaggt	tgtgaagatg	cttggtaacg	240
gccgtctcga	ggcgctttgc	ttcgacgggg	agaagcgtct	ggcgcacatt	cgtggcaagc	300
tcaggaagaa	ggtctggatc	aannaggggt	atattatcct	tctctctctc	cgtqattacc	360
aggacgaaaa	ggcgacggtt	ctcctgaagt	acaccgcgca	tgaggccaga	agtctcaagg	420
cctacggcga	gctggccgaa	cacgccaaaga	tcaacgagac	cgatacctac	ggccagggaag	480
ggcttcgagg	acaacgtcga	gttcgacgaa	gaccgcgaaa	gcgaagacga	gaaggagatc	540
gatgtcgacg	agctctacaa	accttcaccc	cgttggtatc	atccctgcga	gagctactgg	600
agatactggt	ggncaagccc	tctattctct	ttcttatagg	caaaactatct	tctttctqga	660
aaatccgaca	agcttccctc	tgtaggggct	cctttttgcy			699

<210> 4493

<211> 650

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(650)

<223> n = A,T,C or G

<400> 4493

tatcctgtcg	ccgctctttt	tacggacata	tcagtataaa	aaaaatggca	ccacagctgg	60
aaccattttt	caaacaggtt	gacggccttg	ccgaatcttt	catcgagcgt	ctgcgaaagg	120
ctgttgcgat	cccttctgtt	tctgcacagg	atgagaacag	aaaagacgtt	ttcagaatgg	180
ctcagtttct	ggcctcggag	ttggaggctc	ttggcgctga	ggtgcaccaa	aggccgctgg	240
gaaaacaacc	tgggaaggaa	caccttgacc	tacccccagt	tgtcatcgct	cggataggca	300
atgataaaaa	caagcgaacc	atactggttt	acggccatta	tgatgtccag	ccagcattga	360
aggaagacgg	atgggccacc	gagccttttc	aattgacggt	tgacaaccaa	ggaaggatgt	420
atggccgtgg	aagtacagac	gacaaaggtc	ccgtcttggg	atggttgaa	gtgatcgaag	480
cccacaggaa	agctgggtgt	gagctgccag	tcaaccttct	ttgctgcttc	gagggcattg	540
angagtatgg	ctcgaanggg	ttgaggaatt	tattcaagct	gagagcaaag	gctttttcag	600
gatgcggatg	ccgtctgcat	atcagataat	tattggcttg	gaacagagaa		650

<210> 4494

<211> 673

<212> DNA

<213> Aspergillus oryzae

<400> 4494

cccccgctg	tacgttgggc	cctatgatgg	agcgtgaaga	ttccagggat	gtactgggtca	60
tcaagcaagg	gctaccgaac	atgtctttat	ccgatttgcc	tgcaggatct	gtcgttggca	120
cctcctccat	ccgcgctact	gctcaattag	ccttgaataa	ccctcaccta	aagggttattg	180
atgtgcgtgg	gaatatcggc	acacgactcg	ctaaactaga	cgcggaagat	tcaccttata	240
cttgccattat	cctggcagct	gccggcttac	tgagactagg	tctcgatgat	cgcctctcgc	300
agtacctgga	ctcgaaaaac	ggtggggatgc	tttatgcagt	tggccagggg	gcgttggggca	360
tcgaaatccg	aaaggatgat	cagggtgatgc	gtgatatgct	gaacaatatc	ggtcataatg	420
agacgacatt	tgccagcacc	gccggagcgg	gcctgctacg	aactcttgaa	ggcggtctgca	480
gtgcaccact	tggagttgaa	accgaatgga	ttaaatcatc	tgatggttcg	aagaagctcc	540
gaatgaggtc	catcgtgggc	agcgtggatg	gtaaggaaag	cgctgaggtc	gaaatcgatg	600
gaagtgtcga	ctccgttcaa	gccgctgagg	actttggcgt	gactgttgcc	aaggaattag	660
taaccaaggg	agc					673

<210> 4495

<211> 748

<212> DNA

<213> Aspergillus oryzae

<400> 4495

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tcttactccg	cacccatatt	gaacctttta	acccgccgat	gcgaccaga	accggtctgcg	120
attgatatga	aatgaacgat	gacgggggaa	acgttgctga	caagattccg	atgatagttt	180
cgtcaagacc	ctcacgggta	agaccattac	cctcgacgtt	gagtcgagcg	acaccatcga	240
aaaggttaag	gccaagatcc	aggacaagga	gggtatcccc	ccgaccagc	agcgtctgat	300
cttcgcgggt	aagcagcttg	aggatggccg	caacctgagc	gactacaaca	tcagaaagga	360
gtccactctc	caactcgctc	tcggtctccg	tggtgggtatc	atcgagcctt	cccttaaggc	420
cttcgcctcc	aagtacaact	gcgagaagaa	catctgccgc	aagtgcctag	cccgcttccc	480
ccctcgtgcc	accaactgcc	gtaagaagaa	gtgcgggtcac	accaaccagc	tcggcccccga	540
gaagaagctc	aaataaaaga	ttcgccctat	ctatcttggg	acggtttttc	tacgttggctg	600
tygtggagac	ttgctggggg	ttatgagtcg	attgcagctc	gggaggtttt	gtacggcggtt	660
agaatgatga	aacattacag	ccaaagtcga	atgttattag	ttgactccct	ctcggatcaa	720
gttgcaatca	aaagaattgt	aaaaattc				748

<210> 4496

<211> 676
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(676)
 <223> n = A,T,C or G

<400> 4496
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 acgtataaca acggtcgcta tgtcgtcgtg cgcaagttgg gctggggcca tttctccacc 120
 gtctggttgt cccgcgatac caccaccggt aaacacgtcg cctcaaaagt cgttcgttcc 180
 gccgctcact acaccgaaac cgccatcgac gagattaagc tcttgaatcg cattgtacaa 240
 gcgaagccgt cgcacccggt tcgcaagcat gtcgtcagtc tcttcgactc tttcgaacac 300
 aaagggtccca atgggggtcca tgtatgtatg gtattttgagg tattgggtga gaattctactc 360
 ggthtgatta agcgatggaa tcatcgcgga atcccgatgc cgttggtaaa acagattaac 420
 aaacagggtcc tcttggggtt ggactatctc caccgcgaat gcggtatcat tcacaccgat 480
 ctgaaaccgg agaacgtatt gatcgagatc ggcgatgtgg aacagattgt gaagacatac 540
 gtgaaggagg agcagaagaa agaccacaaa gaggataacc gcaatggccg gcggcgccgc 600
 aggaccctaa tcacgngag tcaaccgttg ccagtcgcgc tcaacaccac ctttgatttc 660
 aaacacagct tggacc 676

<210> 4497
 <211> 648
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(648)
 <223> n = A,T,C or G

<400> 4497
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 aattatcttc ccacaaaatg ggtgtccaga agaaaaccgc caagttcgcc caggttaaac 120
 gagccatcaa aaagcacgat gaccgcgcca aaaaagacaa caacgccccg aaacaagaca 180
 aggccaaggc cgacgaggta gtccggcgca ttccccaggc tccgtcgaat atgtttcttcg 240
 ccgccaaacac ggccctcgga cctccttacc atgtgctggt ggataccaac tttgtctccc 300
 actctattcg cgcgaagacg gatatgtcga agtctatgat ggacctgtta tatgcgaagt 360
 gtatcccgac gtttacggat tgtactattg cggaattgga aaagtgggt gataagttcc 420
 ggthggcggt gagggtggct aaagatccga gatggcgcg cgtgcggtgt gatcaccgcc 480
 gtacctatgc tgatgactgt ttanttgatc cgaatacaaa acacaaaatc tactttgggc 540
 gacgaacgat aaggacctgt ttcgccgat tcgcaagatt ccggtgtgcc gatcatgaag 600
 gtcgcaagag cgaaatacgt cattggaaga ttgcccgaca ccttgagn 648

<210> 4498
 <211> 744
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4498
 caacagtcga caaaaatggg gcgtctcacc gagtaccagg tcacggggcg tcattctgcc 60
 accgaggcta accccacgcc caagctttac cgcattcgca tctttgcgcc taacctgtc 120
 qtqgccaagt cccggtttctg gtactttctg acccagctcc gtaagggtcaa gaaggccaac 180
 ggtgagatcg tcagctcaca tgctatcccc gagaagcgtc acctgaaggt caagaacttc 240
 ggtatctgga tccgctacga ctctcgctcc ggtaccacaa acatgtacaa ggagttccgt 300
 gagtaggacc gtaccgaggg tgthgaggct ctctaccagg acatggctgc ccgccaccgt 360
 gcccgthctg gttccatcca catcctcaag gttgttgagg tcgacaacgc cgactccatc 420
 cgcgcgccct acatcaagca gctcctccag aaggacctca agttccctct gcctcaccgt 480

gccgccaaagt	ccgaggggcaa	gaagatcttc	gcttactctc	gtcctgctac	cttcgcttaa	540
atgtgaaatt	ttgggtggtt	ggggaaggag	tgtgcggatg	aaatgactat	gttatggcca	600
tagcatgcat	gcaggacaga	gcacgcagag	aacatggcgt	gtatctacaa	cccagataat	660
gggagaaatg	gttttgatgt	ctcactagtc	ctctgcagcg	acctttctag	ttaaattctct	720
taaaaatacc	gggtttgtct	tctg				744

<210> 4499
 <211> 629
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 4499	
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ccagaatcca	ccgaagctga
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atcccagcta	ttaacagcgg
agcaagtcag	tggagatcat
ccatcggaca	acgcggacta
ttgggcgaag	gttctaagag
gaggcggagc	ctgagaaacc
agctggatct	aggccgtagc
ccgtttatatt	caagtagctt
cttttcaaca	gatataagtt
	gattccaan
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	629

<210> 4500
 <211> 870
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(870)
 <223> n = A,T,C or G

<400> 4500	
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cgtttcggtg	aaaagggtcaa
catggccctg	tcatacatgg
gaatcgaagg	gagccaaggt
ttctatgata	tgactgtctt
acctttggcc	ctgtggctgg
gcgaaccgtg	cagaagttgg
ttccgggttg	cggaagcttt
gatgtcgctt	ctccgttttg
taaggcattg	atgaattcct
ttgcagtcct	aaagggatat
ttatgcgcct	aatccaccga
acgcccttgg	gtggtcttat
tggtataatt	atgacgaacc
tacaaacaaat	accagcgccc
	gtttcccatc
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	300
	360
	420
	480
	540
	600
	660
	720
	780
	840
	870

<210> 4501
 <211> 388
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4501
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tcaatacgcg gcatacatgc tcaagtacga ttctacccac ggcaactttg aatatgatgt 120
tcacattgac ggtgactcca ttgttggtcaa cggcaagaag gtcaagttct acgcggaaaa 180
ggatcctgcc aaaattccat ggaaggatgc tggagcggaa tatattatcg agtcgaccgg 240
cgtgttcact actgtggaaa aggcaagtgc tcaccttcaa ggtggcgcca agaaggtcat 300
tatctctgcc ccttctgccg acgcacccat gtacgtcatg ggggtgaatg agaagactta 360
tgcagggggc gatgtggtgt cgaatgcc
388

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<210> 4502

<211> 734

<212> DNA

<213> *Aspergillus oryzae*

<.20>

<221> misc feature

<222> (1)...(734)

<223> n = A,T,C or G

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<400> 4502
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cggcccgccg cacaccaagc ccgtgcgctg ctccaactgc gctcgctgcg tccccaggga 180
caaggccatc aagagattca ctatccgcaa catggttgag tccgctgcca tccgtgatat 240
ctctgacgcc tccgtcttca ccgactatgc cgtccccaag atgtacctca agctgcagta 300
ctgctgtctc tgcgtctatc acggcaagat tgctcgtgtc cgttccccgg aaggtcgtcg 360
caaccgtgcc cctcctctct gcctcaggta caacaaggac ggcaagaagc tgaaccccc 420
tcaggccgct aaggctatgt aaggaaggga aacagaagag aaaattggga ttagttttaa 480
aggettggte ttttcttgtt tctttattga acagactttc ttactcggtt caaatggaat 540
gaatgggttt cagttttggg gtgcaaggct tgcattacgg gttgcccgtg ggcaggagac 600
gccaaataaa caaaacaaaa tctaaacatt tactgttcac aaaaggtaaa cgaacataag 660
ccagtggaga cgggaaccgg atgcacccaa ttgggtcggg ccagggcttt catgattnca 720
ttgtatggcg acct
734

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<210> 4503

<211> 1258

<212> DNA

<213> *Aspergillus oryzae*

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<400> 4503
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atgatgctgt cctccagttc atggcccact atgcgagag caaggttgc cctggctttg 120
tcaagacctt cggagagaca ttgaccttgg tgcgcaagct ctccagttc accaaccctg 180
ccgcccagcc ctctgtctat tccggtagcg gtaccttgg ctgggatgtc gtcgctcca 240
gcttggctga gaaggagag aatgccctcg tctgcacac cggctacttc gccgatctct 300
tcgccacatg cttgcaaac taccgtgcga acgcaacaca gctcaaggca cccatcggag 360
agcgcctctc gttcagagg attgagcagg ccctgaagga gaagccctac aagatcatca 420
ccatcaccca cgtcgacacc tcgacccgtg tgctcagtga catcaagcgc atcgccgaga 480
tcgtccgccc cgtcagcccc aacacccctg tggctgtgga cgggtgtctg aqtqtctggc 540
gcgaggagat cgcctttgat gaatgggata ttgacgttgt cctgactgcb agccagaagg 600
ccatcggttg cccccccggg cctcagcctc ctgatgacct ccccccgccc catcgacgtc 660
ttcaagaacc gccagtcctc ccccgcttca tactactcct ccattggcaa ctggctcccc 720
atcatgcaga actacgagaa ctccaagccc tctactttcg ctacccacc caccagctg 780
gtccacgccc tgcacacacc cctgtcccag atcactctcc ggcccatggc tgagccttcc 840
gcgctgcacg cccaggcttc ygaacgtgtc aaggctgtg tgcgagagct cggcttgaag 900
cagctggccc cgaagccaga gaaccaggcc cagcccatga cggccatctg gctgcccag 960
ggtctggccc caccgcagct gctccccggg ctctggaagc gggcgctcat ctttgcagcg 1020
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tccgatcttg cccgcaagga cattgacaa cgtattgcgg ctctgaagga ggccatggcc 1140

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gaagccaagc	aggccaaggg	actgtaaatg	atgatacctt	ccatgtttca	cgaacttaag	1200
tagaaatgaa	aataaaaaat	aaaaaaatta	atattttcatg	ttaagaaaaa	aaaaaaaaa	1258

<210> 4504

<211> 678

<212> DNA

<213> *Aspergillus oryzae*

<400> 4504

cgtattgcct	gctttttgctt	gcaggccaat	ttgggagacc	atggcctttcc	ggcgtccttt	60
gatgctgtcc	aagacagcat	cagcgccctt	ttcctccctt	gctggcagaa	ctgcccagat	120
ggcgcgact	ctgccccggg	tcaccacagc	tagagcctct	tccagctega	cctccgcct	180
cgctacaag	gcgctccatc	gtcgctctcc	ccttccctct	cctgtgtcgg	actcttctcc	240
gcaatgggat	gctccgactg	ccgtctcgtc	gattctgtat	gagactcccg	ttgcgcgcag	300
caaccccccg	aaacgccata	tcttgaactg	tctgggtgcag	aatgagcctg	gtgttctttc	360
tgggtctctc	ggaatttttg	ccgcccgtgg	cttcaacatt	gacagtctgg	tctgtgttaa	420
caccgaagtc	gaagatctgt	cccgcatgac	catcggtgctg	caggggcagg	atgggtgtgt	480
cgagcaggcc	cgacgccagc	tcgacgacct	cgttcccgtc	tgggcgctcc	tcgactacac	540
agactctgct	ctcggtgcagc	gcgagttgct	tcttgcgaaa	gtcagcatcc	tgggccttga	600
gttcttcgag	gaattgtctc	agcaccaccg	cgagatcacc	acccccgggg	agaccctgga	660
cggccagaat	gataatgg					678

<210> 4505

<211> 763

<212> DNA

<213> *Aspergillus oryzae*

<400> 4505

aaagttctgt	ctacctccca	ttctttttcca	ccttctctctc	tcaccagaga	aaatcatacc	60
aaatccacca	tcacaatggc	ctcctctcgt	atcttttgct	ctcgccctggc	ctcccagatg	120
ggcgcaacca	ccaaggttgc	ccgcccggcc	gctcgcttgc	ctgcccacca	gcgtaccttc	180
accaccagc	gcaagacccg	tatccccatg	acccccctcc	agaccgtcaa	gcgcagcag	240
ccttccatga	tcaggcccaa	cgctcgccag	gtcttcgcca	acgtccaggc	ccgccgccag	300
tactcctctg	agatcgccga	cgccatggtc	caggctctcc	agaacatggg	tatgggttcc	360
ggcgccattg	gtctcggtgg	tgcgggtatc	gggtatcggtc	tcgtcttcgg	tgcctctctc	420
ctcggtgtct	cccgcaaccc	tgcctccgt	ggccagctct	tctctacgc	cattctgggt	480
ttcgccctcg	tcgagggcat	tgggtctgtc	gacctgatgg	ttgctatgat	gtgcaagtac	540
gtttaaacgg	atcgttgaaa	caacaacacc	aattatccga	aagggcaata	tgagggcaaa	600
tgcaatttcc	ttgaatttct	caaactggtc	aaattgaatg	gaaaggtctt	cgatcggatt	660
ctcgccgttc	agttaggagg	taatcttgtg	gtggtctttt	tatatatcat	gtactacttt	720
cccgccatca	tctatcatcc	caatacactg	tacatataga	gtt		763

<210> 4506

<211> 656

<212> DNA

<213> *Aspergillus oryzae*

<400> 4506

gtcagtcato	cttgaaaacc	ctcggagccc	gtaaaaatga	agattcttta	tatcggagtc	60
ctacagaatg	cccagcagcc	ggcggtggag	ctgtgtgogg	agcgcgagct	caatagctat	120
tcgcgcttca	ccaggggtag	catcagcgag	ttcatgacca	tggttcagcaa	gacggctccc	180
gaaagaacaa	agcaaggcca	gagacaagat	atccaagagc	aagatttcac	attccacgtg	240
tatgcgggga	cccaaggcat	cgccgggtgtc	attatcagcg	acaatgaata	ccctctctct	300
ggcgcccatc	agatcctttc	caaggtcctt	gatgagttcc	tcacgctcaa	ccccaacgca	360
ggcaccggca	cccagcctgt	ctccttcccc	tccttgaaga	catatctctc	ggcgtaccaa	420
gacccaaccc	aagtggacag	tatcatgaag	attcagaagc	agctggacga	gaccaaagatt	480
gttctccaca	agactatcga	gagcgtcttg	gagcgtggag	agaagattga	cgatctgggt	540
aataagagtg	aggggttgtc	ttcgcaatcg	aagatgttct	acacctctgc	gaagaagcag	600
aatagctggg	gcattcttat	gtaagagaga	tcccaccgga	gcggggaata	caacct	656

<210> 4507
 <211> 612
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(612)
 <223> n = A,T,C or G

<400> 4507
 cgattccgac agaccttcaa gtcctttctc gagtgatctc gacgcatttc atgaacccag 60
 ttctatataca gaagggcgtc gagattatct ctgggtttgca aacgtctcaa gagacgatcg 120
 ataccgctat cgcgtttgtg cagcgtatgg gcaagattgc ttctgtctcc gctgactcgc 180
 ccggtttccct tgctaactcg atacttatgc cttacatcaa cgaggcaatc atctgtcttg 240
 agactggagt tgggtgcgcg gaggatattg acaatatcat gaagaatgga actaacgttc 300
 ctatgggacc tttagacttg gcgatttcaa ttggacttga cactgttttg gotatcatga 360
 atgttttgca tcaggaaact ggagatagca aataccggcc atccggactt ttgaagagaa 420
 tggttgatgc cggttggatg ggcaagaaga ctggaaaggg cttctacgaa tactgattga 480
 gggtttgatc cttgtctact agttacgtcc tgatatccct gttacactgc tataaaaata 540
 gattactata tcaacaattt atggaccnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 600
 nnnaaatttc ct 612

<210> 4508
 <211> 847
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4508
 cgttcaaggc agtacactgg tataagcgtg ctgcatecct gggtgatcca ccagcaatgt 60
 acaagatggg aatgattatg ctcaaggggc ttctcggcca agcaaagaac cctcgcgagg 120
 gtgtctcatg gctgaagcgt gccgcagaac gtgccgatgc cgaaaaccca cacgcactac 180
 atgaacttgc gctcatgtat gccaatgcag gcccgaaatga catcgttatc cgtgatgagg 240
 cgtatgctag tcaactatcc caccaagctg cagaattggg gtataagttc tcccagttcc 300
 aattagccac tgcatacgag tatgggttga tgggggtgcc tgtggaccct cggcagagta 360
 tctttttggt tactcatgcg gcagcgcagg gcgagcatca aagtgaactt gccttgagcg 420
 gatgggtatct gactggcgcg gaggggattc tgcagcagag cgacacagaa gcctacctct 480
 gggcacgcaa ggccgccact tctgtcttg caaaggcaga atatgcaatg ggttattata 540
 ccgaagttag aatcggggtc accgcccaata tggaggatgc taagcgatgg tattggcggg 600
 cagctgcccc aggatttccg aaagcccgcg aacgccttga agaaatcaag aagggcggag 660
 cccggtatga gaaagctcgg cttctcgtg ctggtgccaa ccaacagaag cagaacgaag 720
 gcgactgcac ccttatgtga tgtcggaacg gggaactata gatttaatgt ctcatgcacg 780
 agcattttct tttaattat gaacccattt gcattacctt tatttttctt tcggcccggt 840
 gggaaaa 847

<210> 4509
 <211> 1402
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(1402)
 <223> n = A,T,C or G

<400> 4509
 cattatttgg acattgaactg ccgcagttct taaggcattc acttgccctt aattccaacc 60
 caggacaggg gtctctgcat ccgattcccc ggaccacctc aacgcaatct ctgaacgagc 120
 cacttcatag tttaagtgtg accgcggaga gagggatttc ttgtcctct cctagcctat 180
 acatttaacg gttgcctgtg aacccctgtg qttctactcc ggaatacgcc acttcatttg 240

cttctttatc	tgatcgtttg	atcttctctc	caggctctct	ttatatatttc	cctgcttacc	300
ccccacctta	ccgctgtggg	ttgtgagaat	caaatcgag	gtcgtacctt	tctttctcgg	360
aattcccttc	tttgaacatt	tctttcttta	gtcgttcggt	ttacaggaat	ttttctttgt	420
gaaatctatt	gcactatggc	gggtattgat	gaagcgtgc	ccttgaagg	taagggacaa	480
gccgcgtccg	gctggaagac	ttgggtccgtc	aagaagcgca	tgctgattat	cggcgctatc	540
gctctcgtga	tcgctctcgc	tattgggtcta	ggagttgggt	tgggagtcgg	tctgaataag	600
gggtggagggg	atgacgaagg	cgagggtccg	cccactaccg	gaggaggcgt	gaccacagcc	660
aagtggcaac	cggccgtagg	aacgaaatgg	cagatcgagc	ttctgtacgc	gctcaacgac	720
acttcagtag	acgcagatat	ctacgacatt	gatctcttca	acaatgacaa	gtcgaccatc	780
accgatctac	aaaagcaagg	acgcaagggtg	atctgctact	tctccgctgg	gagctacgag	840
aactggaggc	ccgacaagga	caagttcaag	gactccgata	tgggtaacac	gctggatggg	900
tggccgaatg	agaaatggct	tgacctcaac	tccaagaacg	tgcgagcat	tatgacgtcg	960
cgtctggata	tggcggtcga	gaagaactgc	gatggagttg	accggataa	cgtcgatgcc	1020
tatgacaacg	acaacgggtc	cgatatgaag	aaggaggatt	cggcgaattt	catgatgtgg	1080
ctcgccaatg	aagcgcattg	acgcaatatg	tcaattgggtc	tgaagaatgc	cggggcgatc	1140
atctccgaat	tgatcgacac	catgcatggg	acggggaagg	cccaatggcg	gcaatatgag	1200
gagtgcaata	ccatgcccgc	attcatcgat	aagaacaacc	cgtcttcaaa	atcgagtacc	1260
ccaagggcga	cgacaccaac	aacaacgatt	tggtcaacac	gagcaagana	aagatgcttg	1320
caatcttcga	gggatccctca	aattttctga	gggtcaccaa	gaatatgaat	ctggataact	1380
ggttccagac	ctggtaatcg	ag				1402

<210> 4510

<211> 670

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(670)

<223> n = A,T,C or G

<400> 4510

caatgatggg	actgccgac	ccatcatcca	aggaggtgtc	acttacttct	tggccaatgg	50
cttcgcctat	tggcaaggaa	cggatatatga	ccatgccacc	gagacctact	ggaatgacac	120
gaggtcttgc	aaggagcata	ttgagaggat	tgctggcaac	aaccaggaca	agattatctt	180
cggaaacggc	gagactgggt	ggcccaccga	tggcggttct	gactatggaa	acgccaaggc	240
tagcactcaa	aatgctgaac	ggtactggaa	ggacgctgtc	tgcgctatgc	tgacctgggg	300
cgtcgaagtt	ttctactttg	aggctttcga	cgaatccctg	aagcccaaga	gcattggtga	360
caaaggcgag	cgagaaggatg	agaccactg	gggtcttttc	actgccgacc	gcaaggccaa	420
gttcgactgg	tgtggaaaga	aataaaactca	caaacctaat	tgatggcatt	tgacggatgt	480
ttgccaaagc	aaaattatag	tgtgtgaacg	cttcatgatt	acagacaaga	aagggtaaaa	540
tttaggaaat	tggataaact	tttggggttg	gccaaaaaag	gggtaattga	acaacaannn	600
ntttntttat	ttataattga	atttttttgtg	gtcgttttga	ggtgttttaa	ggagtctggt	660
gataaattat						670

<210> 4511

<211> 1229

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1229)

<223> n = A,T,C or G

<400> 4511

gatccactag	tacccccctc	aacgattgca	ctagataaat	aatacagcgg	agaaagaaat	50
cgtcgcaaaa	ccacttactc	cttccccaac	aactgccgta	ccttatccac	cttatccctg	120
aacgactggt	ccttatcggt	cctcgaccca	accctcacat	ccgtctggat	gcgcacaatc	180
ccctgctgat	gcagaacggt	atgcgcctgt	ccaataacct	gatgaacttt	gtcccagggc	240

ccctcgaggg	ttgtgcccgc	gctgtgcac	acgtacttga	gaccggattt	ctcgattagg	300
cggtggacgt	cggcgatttg	ggcggaaaacg	gagggggagg	aggtgccgat	cgggattagg	360
cagaagtctg	cggtgcantg	ggctgggtgt	gggatggagg	agatatcgga	ggaggccatt	420
gggtcggtgg	tggtgctggg	tgggttattt	ggttgggtgt	ttgattattg	gagtgatggt	480
ggacaatggg	taatttatcc	ggttcggatt	ggaatatcaa	agtttaatct	cactcagacc	540
ggtcttgctg	agcacaccac	cgtcgacaag	atgcctaccc	gtttctcgaa	gacaaggaaa	600
gcccgcggcc	atgtgtccgc	cggttacggg	cgtatcgcca	agcaccgcaa	gcaccccggt	660
ggtcgtggta	tggccgggtg	tcagcaccac	caccgtacca	acctcgacaa	gtaccacccc	720
ggttatttctg	gtaagggttg	tatgaggtag	ttccacaaga	ccaatcagca	gttctggaag	780
cccgtgatca	acctcgacaa	gctgtggtcc	ctcgttcccc	ctgagcagcg	tgacgcctac	840
gtgaacggcc	agaagaccga	cactgctccc	gttatcgacc	tccttctctt	tggctactcc	900
aaggttctcg	gcaaggggccg	cattccccgag	atccccatcg	tcgtccgtgc	caggtaacttc	960
agccgggatg	ctgaacggaa	gatcaaggag	gctgggtggtg	tcgttgagtt	ggttgcttaa	1020
atgtggatta	cggggctatc	ttaagaagg	caagggtgcta	cgtgactct	ggtcggcggt	1080
attgaggctc	ggtttcttcc	gaagggaata	aagactcgaa	catgggagcc	gcggatcggg	1140
ccatagggat	ccgtgtattt	acaaaaacaaa	gggtttttgt	ttgtgatgag	catagcatag	1200
ccttcggaca	cccttaogat	ctcactatt				1229

<210> 4512

<211> 654

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(654)

<223> n = A,T,C or G

<400> 4512

cggtggaaag	attttcgcgt	ctatatgcag	cttacctact	tggggccccg	gcgccttgca	60
tatgaggggac	gaccctaaag	tgcattggcac	ggatgcggaa	cggaaactat	tcaccacaga	120
caaccaggga	tggagaacaa	ccgctggaaa	gatggccgaa	catggcatcg	gtgttgacat	180
gttcgtggcg	gcacctggcg	ggacgtatgt	tgatgtagct	acgataggcc	atgttgccga	240
agtatcgggc	ggngagacat	tcttctaccc	caatttccac	gctccgcgag	acatactgaa	300
gctttcgcag	gagttcgcac	atgcagttac	tcgcgagaca	ggctatcagg	caatgatgaa	360
ggtcggttgt	tccaacggtc	tccaggtatc	ggcatatcat	ggcaacttta	tacaacatgc	420
gctcggngcc	gacctggaga	tcggatcaat	tgatgccgac	aaggcgattg	gtgtcatggt	480
cagttatgat	ggcaagcttg	accccaaact	ggatgcacac	tttcaagccg	ncttgctgta	540
tactacggcc	gaagggcanc	gacgggtgcg	ctgtatcaac	gtggtggcaa	caatcaatga	600
aagaggcttg	gaaacgatta	aaattataga	ccangaatgg	tgtgggagca	atat	654

<210> 4513

<211> 687

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(687)

<223> n = A,T,C or G

<400> 4513

cagttctctat	agccctctct	tggtgatttc	tctcagcggg	gcctcgattt	gaactgtata	60
accatggccg	aaagctcttc	tgtggctcag	ccacctctga	gaatcggtac	ccgacgggtca	120
aagttggcta	ttgtccaagc	cgagggtatc	cctqatagcc	tqcaaaaaac	tqcaacqaac	180
cggtcctatg	agattgaaac	actacacacc	ctgggtgata	aagacaagtc	tacagccctt	240
tacaacttcg	gcgcaaagag	tctgtggacc	agtgaagttg	aggagaagct	gacctctggc	300
caattggaag	tcacgtgca	ctgtctttaa	gatatgccaa	ccacgctgcc	cgagtctgtc	360
gactctcgcg	caattactct	ccgcgatgat	ccacgtgatg	cgctagttat	caaggccggg	420
ctgccttaca	ctagcttqca	qacactccct	qaaqcqcaq	taqttggcac	ttcgtcggtg	480

cggcgcctcgg	cgcaacttct	ccgnetctac	ccccatctgc	gctttgccaa	cctgcgtggc	540
aatgttgaga	cccgtttggc	caaagttgat	aatccagaga	gtgagtatac	ctgcatgata	600
atgtctgccg	cttgccctga	gcgcattggc	cctaaacatc	gcataacca	atacataagc	660
tctaaggacc	gtggcattct	gcattgcc				687

<210> 4514
 <211> 712
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(712)
 <223> n = A,T,C or G

<400> 4514	
cgaggcgaca	acttcaccac
tggtctccgt	cccagagtgtg
actgcaagca	aggcaagggt
ctgagatcct	ccgcttcaag
ccggtgttga	catccgtgtc
tccgtcaggc	catcgccaag
ccaagaacca	gctgaagcag
accgtcgcac	ggagcccaag
cctaccgttta	aacggccttc
tacaaaaaag	gacgcggaat
ctcccagggc	aatcggttat
gcgatactac	tggctctgtc
	gatgctggat
	ttagtatagg
	ccangtatct
	ca
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	712

<210> 4515
 <211> 642
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4515	
ttggcgatct	cgagttcaag
cttatccgga	tgtgacagtc
gtgacggtat	ctgggactgc
tcgccgcgaa	gcatgaactt
caaacagcga	aactggtggg
tgaacggcag	gactaaagag
acggcccttg	cgtctctccc
ttgaagaana	ccgggatgac
gctccgcgcg	cattattctt
aagagctcct	ttgcccaact
ggcttgattt	gccacgaatg
	agcgtggaag
	aaccccgagg
	cc
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	642

<210> 4516
 <211> 675
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(675)
 <223> n = A,T,C or G

<400> 4516	
cacctatcct	tttctcttct
tqatccaacc	aattgtctat
	cggtcgattc
	ttccttcgag
	tatctcatct
	gctcagcaca
	60
	120

tttcagtgga	ctgaacactc	gttggttcaac	gacagccaca	gtttcagatt	gctttgcggt	180
atccccctcg	cagataacaa	tttgcaatgg	cagaataccc	tgtggcctac	aatgggctcg	240
cgaccgggac	cggagggtgac	tctctgacgg	aagatctcaa	catctactac	agctctgggtg	300
acatcgcatg	ggttattgtt	tcgacggctc	ttgtcttgtt	gatgattcca	ggagtcggat	360
tcttctatcc	cggctcttgc	cgctcggaagt	cggcactttc	gctactatgg	ctctcgataa	420
tgtctgtcgg	aatagtctcc	ttccagtgtt	tcttctgggg	gtactctctc	gctntctctc	480
ataccgccgg	aaaatatatt	ggtgacttga	gcaactttgg	gttcaaaggg	gtcctgggtg	540
cgccatctgt	tggcagcgcc	aaagtcccag	atctcttgtt	tgctgtcttc	caacgcattg	600
tcgcctgtat	tacaatggca	ctcgccgttg	gtgttgtcnc	aaaacgtggc	cgcatgcttc	660
cttggatggg	ttttt					675

<210> 4517

<211> 695

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(695)

<223> n = A,T,C or G

<400> 4517

cttcaaagct	caattattct	ttcttctcca	cactatgtct	tctactcagc	tcaagaagct	60
gcccgtccct	gtctccaagg	cccatgtttt	ctatcgtgag	tccggagcac	agtcagctcc	120
agtggttctt	ttctccatg	gcttcccttc	ctcgtcgcat	caatctcgta	acctcatccc	180
catcctagcc	accaagtacc	gggtcattgc	gcctgacctt	cctggttttg	gctttactga	240
attcgaggac	gccaagatca	gagaaggcat	ccactacacc	tttgacaccc	tggccactgt	300
ggctcctcgaa	tttctcgacg	tcttatccat	caccaagttc	tccatgttca	tttctgacta	360
tggctctccc	acgggtctga	ggctagctct	caagcgtccg	caatctatcc	aggcaatcat	420
caccacagaat	gggaacgcgt	atgaagacgg	cctaggccaa	ttctggagcc	agatccgaga	480
gctttgggag	agcaacaatg	accctaaagt	tccgggccaa	ctagcgacta	gcctactcag	540
cctcgaggca	accaagtggc	agtatgagga	atgaacgaag	ggacttgtcg	ctccagaggc	600
atatatgctg	gactacgctc	ttctccagcg	gcctgggaat	gcagagattc	agctggatct	660
attctgggac	taccagaata	acatanagtn	gtatc			695

<210> 4518

<211> 679

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(679)

<223> n = A,T,C or G

<400> 4518

ggcttctgag	atatttttaag	ttgtccctttt	tccctttttcc	tccccactt	tttcccttgtt	60
tacgcacgcc	atggatgtcc	ctgagcccga	gcagactccg	ttcaccgcgg	tgactgcaca	120
gacgtcgaag	ctcgccagaa	aatatcaaac	ccttctcgat	gcctcgacgc	cgttcaactgc	180
ctaccgctgg	atcggaacgg	tgttccctct	caattatcttc	ttcctgagga	tcatectcgc	240
tcagggtctg	tacatcgctg	cctacactct	cggcactctac	cttctgaacc	tcttccctctt	300
tttcccttcag	cccaagtctg	acccttctct	cactcaagac	gaaggctctg	aggacggcga	360
cgcagctgca	tccctcccta	ctaagcagga	cgacgagttt	cgtccgttca	ttcgccgtct	420
cccggagtcc	aagttctggg	agagcgccac	ccgcgccatt	gccattgggt	ttgtctgcag	480
ctgggttcagc	gtcttttgata	tccctgtgtt	ctggcctgtg	ctcgtctgtt	actggattat	540
ccttttttgt	ttgaacatgc	gcccacagat	ccagcacatg	atcaagtacc	gctacggacc	600
tttctccttc	ggcaaggcca	agtaacgctg	gtcgtaaaatt	gggatngcat	aggcccgttt	660
ccgatgatg	attctcggg					675

<210> 4519

<211> 683
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 4519
 gtagccatca aatagttacc atcgtgtctg gagccttaaa caatgcggcg tctaagaaat 60
 acgaccttga agcttggttc ccatttcaag gagagtacaa ggagctgggt tcttgctcta 120
 actgcacaga ttatcaagcc cgggcttttg aaattcggta tggactaag aaagcaacag 180
 atgtcaagaa gtcgtatgtt catgctttga atgccaccct gtgtgtact gagcggacgc 240
 tttgctgtat tcttgagaat tatcaaaagg aggatggatt tattgtgcca gagccccctc 300
 ggaataacat cccaggttgc ccagagtctc tcccttatac taaggaaact ccgaaggata 360
 gcatttctca gaaagccaag ggcaagcaga gctctaaggc agcaagtggg gcggaagaag 420
 ccacaaggaa gatccaggat ttacgggtgt gagtgccaaa ggcgctgaga aattactgct 480
 ttatgtggaa tgatatctgc agcaacggcg gcaattgcga atctcattac acggtgttgt 540
 gagacgagaa catgctagca ttagagatgt ttatagagtg cangcagtct ctatgagaaa 600
 aaanannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaaaaa aaaaaattcc tgcggcccgt 660
 tcgagcttgc atctanaagg ccc 683

<210> 4520
 <211> 719
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(719)
 <223> n = A,T,C or G

<400> 4520
 ggggtattga ctctggttct tatgcggcac gaggggagat cctcagactg ttaggactct 60
 cggtgggaaa aagttagttat tgagttctgt ggcggaactc atgtgcaaaa gacaggcgac 120
 attaaggagc tcgttattct ggaagagagc ggcattgcca aaggcatccg cagaattatt 180
 gcagttaccg gagaggatgc tcatgaagtg cagcgctcgt ctctgggatt cgagaagcgt 240
 ttggaccgtc ttgaagcaat ggccctaggt cctgagaaaag aacaggatgc caagcaaatt 300
 caagtcgacc ttageccagtt attaattctca gcagttcaaaa aatcgaggtt ccgtgaacgt 360
 tttgcacata tcaacaagca aatcattgat tcgcaaaaacc cgcagcaaaa gcttgaatcg 420
 aagaaggcgc tcgaggcaat tacttcatac ttcgaaaacc ctgagaacaa agacaagtcg 480
 tggcttgttg ctagggttcc aatttcagca aatgcaaaaag ctgttagcga atccctgaac 540
 cacgtgaagt cgaagctaca ggataaaaacg gtttacgtct tggccgcgga ctctaaccac 600
 ggtcgtgtcg tccacggctg ctatatgtca aaggcaataa gcgatcaggg agcttccgct 660
 agcgattggg cggtattng ttctactgcc gggtgtggaa aggctggtgg caaaaggcc 719

<210> 4521
 <211> 683
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 4521
 cccatgcgac ctatcatgca gtggtgcaac ggacgaacga tgaaccaata cattggggcc 60
 gaattggaca aacgatacga ggcttggaac cagaacaagc catcgaccag ggccaattca 120

atcattgaca	ttgtgctcgc	tgagtatatg	agtacacggc	cggtaagggc	agcactggat	180
cccaggttca	aatcctgggc	gactattcaa	ctccgaacct	ttctcttcgc	tggccacgac	240
tcaaccgcgg	ccacgattgt	atacagtatt	tatcttttat	cgaagcatcc	cgagatcctt	300
tccaagggtc	gcaccgagca	tgacgaggtg	tttgggtcag	atatttcgcg	tgacgctggc	360
atactcaagc	agcacccgga	gctaattaac	cggctcccat	atactctagc	ggttataaaag	420
gagaccctcc	gtctatttcc	agccgcctcc	gcgttgcgag	aaggccagcc	tggtgtctac	480
ctgcaggata	aaaatggcac	gaagtacccg	accgagggat	tgtgtatctg	gacatcccat	540
gggggcattc	aacgtaaccc	ttaatactgg	ccggacccac	atgctttcaa	accagagcgt	600
tggtctgttg	gacagatcat	ncnttatatn	ctcccanagg	gcgctggcgt	nctttcnagc	660
aaggcccttc	ggaattgcat	cgn				683

<210> 4522
 <211> 687
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(687)
 <223> n = A,T,C or G

<400> 4522						
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tgcagtcact	ttaaactgat	ccattatccc	acccgagtgg	ccatgtggac	acacacaact	180
cctttaccgg	agtggggcct	caagcaagcc	gaaattaatg	gtaacaagaa	cgctccttcag	240
accagcaatc	tgtggtaagc	cgaatcaatc	gagtcgctgg	aggaagacag	ccctcgcaag	300
cagaaggaag	aacgcaaagt	gaaacagctg	cccttccttc	ggaagtatct	ggaacttcag	360
cgcgccatgt	tcttcacaaa	caatgcctta	accagcagcc	accctacgc	gagtgagcct	420
ttccagtggc	ccttcctttt	gcgggggtgt	agcttctgga	ccaagaatga	taccctgtaa	480
caaatttatt	tcttgggtaa	cccgatcggg	tggtggattg	ccagcagctc	gctggctggt	540
ttcgtctggt	tgattgggtg	cgaccagctg	tctctccgcc	gtggagttga	cgccgttgaa	600
gaaatttggg	gacccgggtg	cggttccgcg	ctatacaaca	gcaaccgctt	tcttggctct	660
ctgctggggg	gcccactact	tnccctn				687

<210> 4523
 <211> 702
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(702)
 <223> n = A,T,C or G

<400> 4523						
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gtggtaactg	gtattggaac	cgtatcccg	gtgcgttgag	cgacacatgg	agtcactctt	180
atcgattcc	ctttgaccag	gagttcctgc	aaacctaccc	ctggaaaaga	tggtatctca	240
cccagcccga	gataatgcaa	taactccggg	acgtgggtgga	aagataccac	ctccgcaaac	300
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tcttgggtcaa	agccaactac	cccgatatcc	cggggatgga	cacatttcag	ggagagatga	480
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ggcgtgggat	atcgggtgtn	caggtcgtga	cggccatcgc	ttacaagggt	aaatctctca	600
ttgttttctg	cccacgtccg	cagtcacttg	gtcccagtg	aaaccgggac	gttaccctaa	660
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<210> 4524

<211> 485
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(485)
 <223> n = A,T,C or G

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ccaagaagcg cctgaaatta ggcagcttag ttcaaaccat tcttgatgtt atcatacttg      180
gaqttggggg agctcagcag gttctgagtt gtgtccaggc ctccaagagc tctgtggcct      240
gttccaatca gcgagtcagc tcccttcttg tcggctgagg cctcccagaa catgctacct      300
cccaaggccga gagacttgag gtaggcacac ttgngttga tcatgtcggg ggtatcgaaa      360
gagatgagct ccttggtggc ggagttggag ctgtagtatc ccttttgcaa aagatcgtaa      420
tggaccgggtg ggcccagctc tgggaggagc cttgaaatcc cagataccgg cctcccagct      480
ttcat                                             485
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<210> 4525
 <211> 649
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

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<400> 4525
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gcacttaact cgaccgtctt tgaggaggaa agggatggct cgaaggagtt tatcgggagt      120
aaaactgaag tagcattgct acaactagct aaagactacc tcggaatgga tgtcaccgct      180
gaacgtggat ctgcagagat agttcaattg attccctttg actccgcccg caagtgcatt      240
ggagtgggtg accgggagcc tacagtgggc tatcgacttc tcgtcaaggg agctgctgag      300
atcatggctg gagcatgctc gacgaagata gctgatacgg atggtctcaa cggcatcgct      360
gttgatcagt tcaccagga ggacagccgg aaggtactca atactattga atcctatgcc      420
aacaaatctc tacgaacgat cgggctgggtc tatcgcgatt ttccgaacct ttccagctgg      480
cctccgagct atataagcc ctctgaagag gattcagatg tggctcagtt cgaagagctt      540
ttccgtgaca tgacctgngt tggtgttgta ggatccagg atcctctcan gccgaagta      600
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<210> 4526
 <211> 1017
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4526
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gtgtcttccc tgcagttcc cgtaccatt tcttccccc cgggggttga tactcaacgc      180
caacggttga gtccggatcc cagcatgtcc cagaacaagg gtggacggag gagacggtca      240
agcagcatca ttaccagga gccgcgggaa tccattgagc gcaccagtga ccaggccgcc      300
ttgcccacac taatggcgaa ttgggtcaal gccaaagggtg cttggacacat tcaatttcgt      360
ttaatcattg cctgaagat ttctatgag atcattcccg gactctcgca ggaaacctca      420
tggaccttga ccaatatcag ctacatgttc ggctcgttcc ttatgttcca ctgggtgcgg      480
ggcatccctt tgaattcaa cgcgggtgcc tatgataatc tcaacatgtg ggagcaaatt      540
gacaatggag atcaatatac cccgaagaa aagttcttgc tatgcgtgcc gatctgtctt      600
ttccttctca gcaagcatta tactcattac gacttgaggt atttcaccat caacttctta      660
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gctactctgg	gagtggttat	tccgaagctt	ccattttccc	accgcctgcg	aataggctctt	720
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ttttttcttg	ataatattct	ccacttggca	ccatttatcc	ttcctttctc	tgtcttggaa	840
taatggtttc	atgtttcagg	ggctaccccc	gttctgaaat	tggccggaac	tctgctattc	900
taccctgtca	gatacttttg	tttgctggga	agcgggatga	agtgatagca	tggagtacag	960
gaggcatcaa	aagcgaagag	ggacaaaaga	accaaaaatg	tgaaaaaaaaa	aatacat	1017

<210> 4527

<211> 682

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(682)

<223> n = A, T, C or G

<400> 4527

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tcagttccac	gaactcctgc	ccccctgac	ctctcaaccc	ccatccgcct	ttaagcttgg	120
cctagtcgac	tcactagacc	cgccgttgct	gtggacttgt	cttttaggcg	cttctgtttt	180
gcgcgaaact	cccgacaagc	tgggccccga	ctcttgaccc	tactgcaaaa	aaagaaaatt	240
gtgttaccgc	tctctcgatc	cgctgtcact	actacgccc	tccggatagc	ttcgatcacc	300
gccttcgcgc	ctttcatctc	aactatcaaa	cacacaccgc	ggcagaaaa	tctagaatgg	360
cctcaaagtt	tctacgagaa	tacaaaactgg	tagttgttgg	tgggtggtgg	gttggaatgt	420
catgcttgac	cattcaattg	attcaaagtc	acttcgtcga	tgaatatgat	ccgacaatcg	480
aagattcgta	ccgcaagcaa	tgtgtcatcg	acgaggaggt	cgctctgttg	gatgttctag	540
atacggccgc	acaggaggag	tactcggcaa	tgcgtgaaca	gtacatgcgc	accggtgaag	600
ggttccttct	ggtttactcc	ataacgtcgc	gccagtccct	cgaagaatta	tgacattcca	660
gncacaaaatt	ttacgagtaa	ag				682

<210> 4528

<211> 717

<212> DNA

<213> *Aspergillus oryzae*

<400> 4528

cgaacttttg	tttagtctca	tttacattga	aactcttctc	atttcccgc	tctcgtgata	60
tcctacatca	tattccacca	tggatgagat	cgcccccgaa	tatgatgttg	ttgttctcgg	120
caactggcctg	accgagtgtg	tgtttcttgg	tgttctgagt	gtcaagggaa	ataaggttct	180
tcactattgat	cgcaatgata	actacggagg	agaggctgct	tccgtgaaca	tcgaaacact	240
tttcaagaaa	tacggcaacg	tccgccccgc	cgaagagcca	tggaaagaat	atggacgggt	300
caatgactgg	aacattgacc	tgggtccccaa	gctgctgatg	gccaacggcg	agttgacgaa	360
tatcttggtt	tcacccgatg	tcacacgtta	cctcgagtgc	aagcagattg	ccggcagcta	420
cgttcaacaa	ggaaagagcc	ccaaggccac	tgtggcgaa	gttccttcag	atgccacga	480
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attgaccctt	aaagaagttc	ttgaccaatt	ccggcttggg	aaaaaaaaacc	cgtgactttt	660
ttgtgcctt	tcttgccccc	tgtttaatcc	cgaccactat	atcgtgaata	aggggcg	717

<210> 4529

<211> 635

<212> DNA

<213> *Aspergillus oryzae*

<400> 4529

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gctatgcaa	acagatacct	acacatcacc	caaaatttact	ctccatctac	cggatccata	120
gccaaaccatt	atactaagat	ggatcggagt	cagaccctcg	cccggaatct	tacctggctg	180
tacactgcac	ttctcactgc	caacactcga	ccatcacaca	gtcattcctg	caccatggcg	240

acgagaccgg	tgacaccatc	attccatcat	cttgcctctac	tacttccgcc	tcgtgcattct	300
acatgcattc	gtgggttatca	cactcctgac	tgaccattat	tacgtacccc	aggagcacca	360
tgacagcccg	tgacaggtgg	caacaactgt	gtcggtgacc	ttcacgggtga	tatctactat	420
cgtactacat	gagttctatca	taatctactg	gtcgatctcg	caactctgga	gcgtggcacc	480
cattcatcgc	gacccctatt	gagctcggaa	tctacactac	tgacaacacc	ctgtcgacca	540
taacactata	cttgccctgct	tgacattcat	tcgagtacaa	gtttactctc	attcacatag	600
gagcggttac	ttgtgatagt	gaccccaacc	cgaaa			635

<210> 4530

<211> 617

<212> DNA

<213> *Aspergillus oryzae*

<400> 4530

gggttggtgc	ggcgcctcgc	gagcattctc	cgacgggggc	cacgcagtc	tcgaatgggt	60
ctttctgcgc	gtcggaagcg	tctctgtctg	cattggctcg	tcacgacgat	cattatcgct	120
attacagttc	ggagcccatg	gaccattaca	agcatatgcc	gggtgatcgt	atttcaccgc	180
aggccccaag	acagtttggg	ttcgcgcgcg	cgctgttgga	tttcacgggt	ttcggctctg	240
cgacagtttc	cctgcgcgac	caccctcctc	cgccgaggct	ggtggaacca	gaacgcattc	300
acgtctccag	ccattctccc	gtctcgcaat	ttgctcgacg	atccctctcg	cctaatectg	360
cgaatcctaa	gaaacggact	ctcgcagaga	ccgcgtcctc	tgacagaggc	gcctcgatcc	420
ccacaacggt	ggaatcaggg	tcgaaccaac	tcccacccat	catgtcagct	gccaacccct	480
ccccaccggg	tcggctcagc	tccatttctt	ccattctcaa	ccatcctaac	acgcgggacg	540
agtcacgcgt	ggaccocgtg	ctcgtctgac	tgagtcgcca	gcagcaccaa	acatcgcacc	600
aggctctggc	acctcct					617

<210> 4531

<211> 1230

<212> DNA

<213> *Aspergillus oryzae*

<400> 4531

ccagcaaccg	gtcagtgaaa	tcatactgat	accatccggt	ccccactacc	cgctcagtaa	60
gaccagctat	ctgatcgaa	ctttcaacta	tcacaatggg	tgctcgggtg	cttgagaagc	120
tttcccgcaa	gaactggtgc	atcgctcggg	atgacgtcct	ccgtctcttc	gagcacgcgc	180
agcagaacaa	ctatgccatc	cccgccgtta	acgtgacctc	ctcttccacc	gtcgttgctt	240
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ctgcctactt	cgtcggcaag	ggtgtcagca	atgacggcca	gcaggcctcc	attgccgggtg	360
gtatcgtctg	tgcacctac	atccgtagcc	ttgctcccgc	ctacggtatc	cctggttgcc	420
ttcacaccga	ccactgcgcc	agaagctcc	tcccttggtt	cgatggcctc	ctcgacgagg	480
atgagcgcta	cttcaagctc	cacggcgagc	ccctcttctc	cagccacatg	atcgatctgt	540
ctgaggagcc	cgtcgactac	aacatccaga	ccaccgcgcg	ctacctcaag	cgcgtgccc	600
ccatgaagca	gtggctccaa	gtccaccccc	gagcttctca	agaagcacca	ggcttacgto	660
aaggagaaga	ttggctccaa	caaggacaag	cctgtcttct	tcgtcttcca	cgggtggctct	720
ggttctctcc	aggaggagta	caaggaggcc	atcagctatg	gtgtcgtcaa	ggtcaacgto	780
gacactgaca	tgagtttcgc	ctacatgtcc	ggtatccgtg	actacatcct	gaagaagaag	840
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ttcgaccccc	gggtgtgggt	gcgtgagggg	gagaagacca	tgagccagcg	tgtcaaggto	960
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gaacaaaaga	aacataattg	actgtaaaag	tggaggccgc	ttttgggtgac	tggaaatatt	1140
gcatgactgg	ggaagctgga	gttgaatgat	tgggtcaatta	cgatgtatgt	agaagtagta	1200
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<210> 4532

<211> 1273

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature
 <222> (1)...(1273)
 <223> n = A,T,C or G

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ccagtaccat cacgcgccga acacacaggg cgggtggtgc gcaggtatgg ctcaagcaac      180
aaatccctca atcgcgccct ctagccctac ctatcctcct ccctactcgc cttatcagcc      240
acaggggtcat gaaatggccc agtatcaagg tcacctcctc ccgccgcctc cacagatgta      300
tgcgcgtcca gattggtcgc atgggtatgg tcaacatcag cacggtctgc ctggacccta      360
taccactcct gccacaacgg ttggtccgcg ctccctgct gcgaccgcag ggccgcgccc      420
tggccaggtc tactcattcg ttccgattcc cgggtgcgca cagcacaagc gaccccgctc      480
tcggtatgag gaaatcgagc gtatgtacaa gtgtggatgg aatggctgtg aaaaggcata      540
tggtacactg aaccacttga acgcgcacgt taccatgcag tctcatggag ccaagcgcac      600
tctgaagaa ttcaaggaaa ttgcgaagg gtggaaggct cgcgaaggagg aggaaggagg      660
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tggtcagtac ggagctcctg gcggtggcat ggtttatcag ggcaacggac agatggccta      900
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ccaatcgacc agctacccgc aatagatata caacttcctc ctcttctctc agcttgaata     1020
ttctaatacc aaattctcct aatcgtgtat cgcactcccc cggatctaaa tctttnaaat     1080
cttgccgaca tgataccatc tncgtgcctt gattgctnca gtcaaaaaga gtggccatgc     1140
gaactacgct tctgccccag gtatgggttt ttgaattaga tcgattgaca aaaaggagag     1200
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<210> 4533
 <211> 681
 <212> DNA
 <213> *Aspergillus oryzae*

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aagaccaccc ctgagcaggc tgctgaccag atctgcaagc tcgccaagaa ggggtgctacc      180
ccctcccaga ttggtgttgt cctccgtgac tcccacggta ttgccagggt caagcacgct      240
accggtaaca agatcctccg tatcttgaag tcacgcggcc tcgcccccgga gctccccgag      300
gatctgtacc acctcatcaa gaaggctgtt gccgtccgca agcaccttga gcgcaaccgc      360
aaggacaagg actccaagtt ccgtctcatt ctcacagagt cccgtatcca ccgtctgtct      420
cgttactaca agtcctgctg tgctctgccc cccacctggc gttacgagtc cgctacgcgc      480
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gataggctct tcgaattggt ctcttaccct gagaatgggt ggggttttag tcatctagtg      600
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ttcatgacca aaaaaaaaaa a                                     681
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<210> 4534
 <211> 745
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(745)
 <223> n = A,T,C or G

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ctcctcagcc	tggaaaaggt	ggaggggagg	ctaaaagaga	ctataccacg	ttgggtgtga	180
cacgatggta	cgcctctcca	gaactcctcc	ttcaactacg	acgctataca	actgcaatcg	240
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gcaactagtga	tcttaacca	gcccagctta	tatttaacct	tgtgggcaca	ccttcggaag	360
agaatatgcc	tggctggagc	tcgctccctg	gctgcgaagg	tgtgaaaagc	tttggcagca	420
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gtgagctctt	gaaacttgat	tggcggaaaa	gaataaatgc	tatcgacgcg	ttgaaacatc	540
cttattttct	taatcatccc	ctgcctgcac	accccggtga	gcttccctgt	ttcgaggact	600
ctcatgaatt	tgatagaaga	aggttccgag	ggcagcgagc	agttatgcc	tcagccctcg	660
gtggaggctc	gtgggcatgg	gccctaattg	cggctggagc	tcgaattcgg	aaccgggacc	720
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<210> 4535

<211> 738

<212> DNA

<213> *Aspergillus oryzae*

<400> 4535

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agcgatcgtc	cccccttgac	ttctccattg	caaacaacaa	ccgacttctt	ctgatccctt	180
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gcgctatggg	tgggatatgg	ggctcgtggc	ggatcctcgg	ttattatcaa	ggtctcatte	480
cgtgggcctg	gattgaggcc	tccaccaaag	gcgctgtcct	ccttttcgtc	gcgtccgagg	540
cagaattccg	tgccaagggt	ctcggcgcg	cagactttct	cgctgggtat	tcaggaggta	600
tggcgggtgg	tattgcccag	gcataatgcca	ctatggggct	tctgcacctg	tatgaagacg	660
gtcgagatta	ccaagcacaa	gatggctgcc	caaggtgtaa	agcctccaac	ccctttcgcg	720
aaattcatgg	acatttat					738

<210> 4536

<211> 692

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(692)

<223> n = A,T,C or G

<400> 4536

cgacactgga	aacatctact	tgcgtcgtga	ctaccctcgt	acgcacgagc	agaatgaaga	60
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ttctgagatt	gtcgatggtc	aggctctacg	tctgcctacc	gaatgtccag	gctgcacgaa	180
gcctggcttc	gttaacatga	agaagggtgaa	catcccttac	ttcaaggagg	tcatcatctg	240
gagtacatct	tgcgagcaact	gcggataccg	tactagcgaa	gttaagactg	gtgggtgaagt	300
tccggagaag	ggcaagcgca	tactcttag	ggctcgagaat	gaagttgacc	tctcgcgtga	360
tactctcaag	tccgacacct	gcgctctgca	cagrgaagag	ttggaagtca	ctgttcaacc	420
tgghacattg	ggcggacggt	tcaactaccgt	tgaaggctctg	ctcaccgaaa	tccgtgatca	480
actgcacggc	cagatctttg	atgtcaacga	tgcgagcggc	gctggaggag	acagcatggc	540
attcgacact	aaagagaagt	ggactcgctt	cttctctcgt	ctcgatgctg	ctatcaatgg	600
agacatgaag	tttgtcatca	ctctcgaaga	tcccatggcc	aacagttacg	tccaggactt	660
gtgtgcgcct	gctgtcgatc	ataqaatcac	an			692

<210> 4537

<211> 716

<212> DNA

<213> *Aspergillus oryzae*

```

<400> 4537
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accgaaccga ggacttttcc gcccaaactg aacaagatca agcgtcttgt ccgcaaaggc      180
atccctcccg agtacagagg ggcagcttgg ttcttctatg ccggtggcta cgagcacttg      240
aatcgtaacc ctggactata tgatcagctt gtcagccagg ctatggaaag cccaagcaac      300
gatgacaagg agcatatcga gcgagacttg caccgaactt tccccgataa tatccacttc      360
aagccggaat ctactgacgg gtcgaggaa tcaggcgcta gctctggtag cagcaacctg      420
aagcatggct cggacactgt cgaaacgcag atgattcaat cgctccggcg ggtgctctat      480
gcattcgctg tgcacaaccc ccaagtcgga tacgcgctat cactcaactt tattacaggc      540
ctgctacttc tgttccttcc ggaagagaac gcattttgga tgctgcatat cattacttct      600
cgttacctcc ccggcaccca cgagataagt ctcgaaagtg ctaatatcca tctatggatg      660
cctatggtcc tcttgaaaaa ttgtaccccg ctaagctaca acacaaacac ggggtg      716

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<210> 4538

<211> 578

<212> DNA

<213> *Aspergillus oryzae*

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<400> 4538
cagctatttg caccgcacct gcgcacgagg aagcttgact tgcgctacct ggtccccacg      60
tccttcgact cctctctaata ccgagattct gatatcattc gatattgcta gccaaagtgt      120
cgcaaagcca tgccctttcc gacgatcagg tcgcgggtga gctccgcaag atgacggcct      180
tcatccggca ggaagcgctg gagaaggccc gtgagatcga actgaaagcc gatgaagagt      240
ttgcgattga gaagtcaaag ctgcgcgctc aggaaaccgc tgccatcgac acactgtacg      300
agaagaaatt caagcaggct gccatgtccc aacagatcac ccgctccacc ctttcaaacc      360
gtactcgtct ccgtgttctt tcttctcgtc aggagcttct tgatgagctg ttccagcagg      420
ctcgtgataa gatttccagc atcgcattct aggatgctaa gaagtatgaa actgttctgc      480
agggactgat tctcgagggc ttgtacgctc ttaatgagga gaaggtggcc attcgtgtga      540
gggcgaagga cactgacgca gctaagaagg cgattgagga agcgcagaag gtgttcaagg      600
agaaggttgg caaggatggt actgtggagg tagatgaggc tgagcctctg ccggagggat      660
ctgctggagg tgtggtca

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<210> 4539

<211> 737

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(737)

<223> n = A,T,C or G

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<400> 4539
ggaatgcctg atcgccgagt gtacaatggc tccgaccaat gacaacattg ccgccgctac      60
gcattgcctt catgcagatg aggcgctgaa cgtggtcacc gatgtagccc ctccgctgca      120
cctttccact acgttccggt accctgatga tcccaggagc cttgtgccgg cagcagatct      180
cagtggttat gaccaggaca aaaccaagca tatctactct cgtctgagct cgcaccaattt      240
gaaccgattc gaagtccctc tgtcttcact tctccacggc gaggcgatca gttactcgtc      300
cggaactatc gctttgcatg cggcactcgt cctcctgaat ccccgccgaa tcgcagttgg      360
aaatggatac catggatgtc acgggtgttat taagctcttc ggccgtctta ccgggtcttca      420
aaagctggac ctgcactgtc ccgctgagca attagagctg ggagatgcca tcttctctaga      480
gaccccggtc aacctgagg gcaccgcttt caacatcgaa gagtatgcca agaaagcgca      540
ctcgcgcgga cgtatcttta ttgtggatag cacttttgc tccgcgggac ttcaggaccc      600
gttccaatgg ggtgcagacc ttgtcatgca ttccggtaac aaatactttc gcggacacag      660
cgaccttctt tgtggtgttc tegetacaca ncggantgat tgggcgcggc ggcttgttca      720
ggatttcgat gtntag

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<210> 4540

<211> 657

<212> DNA

<213> *Aspergillus oryzae*

<400> 4540

cttggaaaag	agtgcatttt	attatggctc	gcgagattct	caaggcggca	aagtccgcat	60
cgaatgtcat	cgctgttcat	aagaaatata	cacttcaatc	caccggcatc	tgggagcgtg	120
ttcgccgctt	tctttcgatt	gatcccaatc	gctcaacagg	tgttccattg	aacgcccaat	180
atcgtctacc	gacccccgga	gctctccctc	ctcttttcta	tgacgatccg	gttaccgttc	240
cggctgggtga	tattgcccac	aacccttatt	ggaagcgtga	tattcggagg	agttacccta	300
agcttagcac	tgtgagccaa	gcagattctg	tgggtcttct	caccgtaggc	agccaggcag	360
caccaaagga	tgatattcta	cagattgggtg	aagcaggaga	aaagcaactt	atctctatca	420
agcagcaggg	agaagaacgc	ggctctggctg	gcctttttga	gaaggataag	aagggcattc	480
aggggtgtctt	aaaggccaat	ggtttgccgc	cgaagccttg	caatatgaac	ccgtcagggt	540
ccaagtatca	gcttgatcat	gaccatggct	accccaatgc	atatccctgc	cgcacatttg	600
tttgatgatg	caatttcgagt	agagattgaa	tatatggcat	ttttttttac	cttccac	657

<210> 4541

<211> 722

<212> DNA

<213> *Aspergillus oryzae*

<400> 4541

ccacacctat	ctatctcaact	ctttgaggat	aatccgacaa	ggagaacacc	atcagacaaa	60
atgtcggacg	gagaagagac	tgtttccaac	cccgttggtg	ccgccgatga	ggtcgagggtc	120
agcgcgcagc	ccggcgccgg	tggccagatg	tccgtctctg	acgccctcaa	gggtgtcctc	180
cgcctctccc	tgatccacga	cggctcttgc	cgtgggtctc	gtgaggccgc	caaggctctt	240
gaacgcgcgc	aggctcacat	gtgtgtcctc	aacgagggct	gtgaggagga	agcctacaag	300
aagcttgta	ttgccctgtg	ctccgagcac	aagatccctc	tcataaagg	tcccgatgga	360
aagatgcttg	gtgaatgggt	cggctctttg	cagcttgacc	gtgagggtaa	cgtcgcgaag	420
gttgtcaact	gctcttgctg	cgttgtcaag	gactgggggtg	aggagtccca	ggagcgtctc	480
gtctctctca	actacttcca	gactgagcag	taaaattcgt	ctttggagg	agggtaggga	540
ttgtgggggtc	atgataggct	aattcgggtt	cgattgatgg	aatgggtgtg	tttgtgggtt	600
tcttttttct	gttttcggga	gaggtcttcc	ctatgtctca	tcactgggtc	gttgattggg	660
ggtaggtccc	tgtctttgac	catgatctct	attttttttt	ttttatccta	gtataggcca	720
aa						722

<210> 4542

<211> 679

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(679)

<223> n = A,T,C or G

<400> 4542

actcaatcng	cccccaaggga	aaggatcagt	ctttgggcat	gtcgggttacc	ccaacgtcgg	60
tttaattcag	tttaattcag	cccttctcgg	agcccaagaag	gtctcgggtgt	ccgctacacc	120
cggtaagaag	aagcaacttc	agaccctgta	tctctcgcgg	gagatcatgc	tctgtgattg	180
tcccggtctg	gtgttcccca	acttcgccac	gactaaggcc	gaactgggtg	tcaacgggtg	240
cctgcccata	gacacgcagc	gtgaattcac	cggctccagca	accatcatcg	gccagcgcac	300
ccccaaacat	ttccttgaaa	acgtctacgg	agtcaccatc	cataccgcgc	ccatcgaaga	360
aggcgggaca	ggcatcccca	ccggccagcga	gctctctgag	gactatgccc	ggcccggtgg	420
cttttccact	caagggtctg	gccagcccga	tgaatccgcg	gcgcgcggtt	acgttatgaa	480
ggactacgtc	aatggcanna	ctctcttctg	ccaccgcgcc	ncagtgcacg	agggccagac	540
cnccattgac	ccctaagagt	tcaacgtcga	actctacgac	atagccccac	ctccccgcga	600
ggcgacaaga	aacagctctc	anggccatgc	aagcagagca	actggnccga	gacatcgact	660
ncgacattct	ttctatgcn					679

<210> 4543
 <211> 789
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4543
 gggatttttat ctggttagct cttatcgaca gaggactaca gaatataaca ggtgaccgga 60
 taatcttcca ttagacataa gtcacgctc gataacgcct ttttctgccc tggtactaac 120
 ctgtagtact agggccaggc atatcgagag cgaattttta ttataagaaa acgctagcta 180
 agcaaaaagt tgcttccact tagataatca tcaacttcgga aaacgagggt ccgagaataa 240
 tcacagggtga gccaaagacag ccttggcacc cgagacctta accacacccc tttcgggctc 300
 gatctgagca taggtcacct tgccatgac gatgacaatg gcatagcgac cgggtcgacc 360
 gttgtttggcc cagccgatgc tgtccgagaa cttggcgctc gggtcggaga ggaacagaat 420
 atcgttatatt tccaccttat tggcctttcc ccaggcgctc atgacgaagg ggtcattaga 480
 tgcgacgaca ggcgaacccc ggaagccctt ttccttcaga tggggcaggt tctggatgta 540
 tccgggaacy tgggtgacgg agcagggtggg ggtgaaagcg ccagggaacgg agaacaggac 600
 cactttctta tgggcccatt ctttggaggc gttgtagggg atggggatgc cgcaggcggt 660
 gatgtcgccc ttctcctcgg tccaggggac gtactggaag acgacgttct cggggaagga 720
 atctccgggt ttaagggcca tggtgactga tgggtatggt gatggtctga gaagtgggtga 780
 gaggtgaga 789

<210> 4544
 <211> 736
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(736)
 <223> n = A,T,C or G

<400> 4544
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 ctacattaaa gaaattgaac ttcacacca gcaacagaaa caaactggcc gaagtcagag 120
 cgattctggg caatgcaatc gaggtcgata accaggggct tgatattccg gagatacaag 180
 ggactattga agaaattgcc agagaaaagt gcaggcgctg agcggaagt atcaaaggcc 240
 cggttctcac ggaggacacg gcactggagt tttatgcact gaaagggctt cctggcccat 300
 acatcaagcc atttcttgat gttttggggc atgagggggt gaataaaaatt ctcgattcgt 360
 tccaggataa atcggcagat gcgatatgta cattcgcttt cagtcacggc cctggctcag 420
 agccaatttt attccaggga agaacgaagg gtgtaattgt cagaccgaga ggtccatcaa 480
 actttggttg ggatccgatt tttgaatatg aagggaacac gtatgctgag atggacaagg 540
 ayyagaagaa ccaaatatcg cacagggtata aagctttgja gaaattacag cgttggctgg 600
 tccaggaaaa atcctaattt ctcagctccg cggcggaacga cgttgatagg tgggtgcatt 660
 ctaaaatatt tcaattcgcg ttgaagggtt ggttgatttt ccagaagata ctcaacttga 720
 gattctttcg cagttt 736

<210> 4545
 <211> 647
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4545
 gotggaactg cgtggcgaaa atatttccct ttgctatcgc acctatgaat tctctctcgc 60
 catatgtggg tctagcaaca gaccaacat ctttctccag taccaccagt qtqtaaaatq 120
 ctgcataaga gtgaacatag taatatttgc tgtctgggct caatccacag aaactttgag 180
 ctctaaagg accaactctg gtgttcatgg cagaattcca acctatgtgg ggtacactct 240
 tgcactgto atcgaatttg ctcatctcgt tttgtatcag ccccaacccg gggacatcag 300
 ggtctctctc ggaccttca aacagtgcct gtagaccgac acagatcccc atgaaagggt 360
 tccagaatc tatgtgcttc tttatcgggt ctagataccc gccctctqaa agctgagaga 420

gacaatggcc	gaaatggcca	actccgggca	gtataagttt	ctgcgatacg	attaatgcac	480
tgcagatctt	cgggattttt	aacccattca	acatcatacc	caactttgtt	aattgcattc	540
accaacgaac	gaacattccc	ggcaacatag	tcgagcagat	ggacgggtggg	catggcgggc	600
gggttgagta	attccactat	tcgaggggct	cgctatgtca	aagataa		647

<210> 4546
 <211> 686
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(686)
 <223> n = A,T,C or G

<400> 1516						
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gcatttagtc	gactaccgtt	acagggtgctg	aaatcagtaa	actccaggaa	ccagaagacc	120
aacccggttg	cgttatggaa	acttgccaat	cagaagatct	cccaattcgc	cttctctccc	180
gatcaaaggc	atctggctgt	ggttctagag	gatggatcgc	tacgcgtgat	ggactatctt	240
aaagaagagg	tcctagacat	tttccgtagt	tactatggag	gcttgatatg	cgtttgctgg	300
tcacctgacg	gcaaatacat	tgtgacaggt	ggccaagatg	accttggtac	gatatggtea	360
tttccagagc	cgcaagatcgt	tgcacgatgc	caagggcaca	attcctgggt	ctctaccgtt	420
gcattcgacc	catggcgctg	tgacgagagg	acataccggt	tcgggagtg	tggggatgat	480
tgcaggctgc	tactgtggga	tttcagtgtg	ggcatgctgc	atcgccctag	agctcatcaa	540
gctagtgcct	cgcagcgcac	cagcatgatt	gcagcaatac	acagcacttc	aatcgccaca	600
gagccgacag	cgcaagcaac	cggatgaggt	cggattctca	gcgaactgca	gacacctaca	660
acgattatga	ctctgctgtn	cgtcat				686

<210> 4547
 <211> 665
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4547						
cagcctcate	ggtactacco	tcgagatacc	tcttatcccg	tctctcgatt	tgagaatctc	60
gaatatcaac	cgccaaaatg	gtcaagactt	ccgtcctcaa	cgatacgctt	aacgcgatca	120
acaacgcgca	gaaggctggc	aagcgccagg	tcctcgtccg	tccttcctcc	aaggatcatg	180
tcaagttcct	gagcgtcatg	cagaagcacg	gctacattgg	cgagttcgag	gaggtcgatg	240
accaccgttc	cggcaagatc	gttatccagc	tcaacggctg	tctcaacaag	tgcggtgtca	300
tcaacccccg	ctaccccgtc	cagctccgtg	acctcgagaa	gtggaccacc	cagctccttc	360
cttctcgtca	gttcgggttc	gtcgtcctga	ccacctccgc	tggtatcatg	gaccacgagg	420
aggtcgtcgt	caagcaggtt	gctggcaagc	tcctcggttt	cttctactaq	acqaccaacg	480
aaaagtttat	gtcttgaata	gtatcgggag	taatgtggcc	tggtgaggtc	cgagcgagga	540
atgtgctcag	gagcaacagt	gtcttggcga	ggagtttacg	gataccctgg	cagaaacgcc	600
atagatagcc	tatgtttgag	tgatcttgct	caattcaacc	aagtcatttt	gttcgggtca	660
aaaaa						665

<210> 4548
 <211> 711
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(711)
 <223> n = A,T,C or G

<400> 4548						
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gcatgtcgag	gtctgttacc	ggacggcgct	attgctacta	attcggctgg	ggaaccagag	120
ttgaagcggg	gacagcccaa	caattctatc	gtcaagccgc	gtcgaaaaac	catccaggcg	180
ccatgatgcg	tatggcaaaag	gcttgccctg	cgggcgatat	gggactcggc	aagcgggtatc	240
gtgaaggcat	caagtggatg	aaacgtgccg	cgggaatccgc	cgactcacga	gacaattctg	300
cccccttatga	attgcgtttg	ctgcacgaag	aggggatacgg	tgacgatgtt	ttcccggatc	360
cttccttatgc	agcacaactc	tttacgaagt	cggcggatct	gggacatgtt	gaggcgaact	420
atcgcccttgg	ggatgcttat	gagcacggca	aactgagttg	ccctcgagat	cccgccctga	480
gcattcattt	ctataccgga	gctgcgcagg	caggccatcc	attagcaatg	atggctctct	540
gtgcatggta	cttggtttgg	gctgagcctg	tgctggagaa	agatgagagc	gaagcgtacg	600
aatgggctaa	gcgaccagca	gaaaccgggc	ttgcaaaaagc	ccagnatgcg	gtgggaaatt	660
tcattctaattg	ggnaatgggg	ttgcgtcgtg	acaattttggc	acgcaaggtt	t	711

<210> 4549

<211> 732

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(732)

<223> n = A,T,C or G

<400> 4549

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cggtagcaaac	ttgccttggg	tgtctcagta	cggatgggac	acggcgatca	gcgggtgttcc	120
tcactgggtca	gtgacttgat	cctctgcttg	ggcgatgatg	tctatttgga	ctcccatgac	180
gttgacaccg	ccatcatcga	gtgtcaatcc	tgtggtgcct	aaagagtggc	gtattatcat	240
ggacgtgtac	ctgggtctct	gcggaactaag	gctccttcga	gatcacctat	cgactgttcg	300
ccaacaagtt	gaacatcacg	caagccgtgg	tggatatgga	gatcattccg	tcagtcgatg	360
ccaatgcgac	cgtggcgaaat	gtgatcgact	gggactcagc	ggtacgaacc	gactttgtgg	420
aatcgggtca	agatgacagt	gccctctttt	cggctgtgcg	gccctgggga	atctccaacg	480
tcactgcata	tatctattcg	aacctgaacc	gatcggccaa	cgtegacctg	ttttcttagg	540
ctctcgccgc	ctggcaagcc	ctaccagaaa	ctcccactta	tcttttaggg	gggcgaatcg	600
ccatgggata	tttatagggc	cgggaccttc	ccctgtaaac	caatttggtg	gcgttacctt	660
gaccgatcct	ttcogttaac	cgaaacctaa	tcgcccttgt	actcttttgt	aaggggggtg	720
ggtttttgatt	aa					732

<210> 4550

<211> 650

<212> DNA

<213> *Aspergillus oryzae*

<400> 4550

gagggacaca	attgccataa	tgctgccttt	cagagctgga	aacttcgcct	gcttcagagc	60
tggctcggtt	gcgcgccta	taaagtctcg	tttcttgtcc	accaacaccg	gtcgaggcga	120
cccttcggtg	aaaaccagcc	ctgctgatgc	cccgcggtga	cccccaagg	acagctcatt	180
aattcgccag	gagggccctg	ctgaggcaat	ggctcgccac	cagccggatt	acgaggccac	240
aattgateac	ggcaacctga	aattctctcc	tgtgcctaag	cgtgtcatgg	atggaagcga	300
gcccgggtgac	accgttccag	ctgctgttct	ttctgggtgt	cctaccgacc	tcagggtctg	360
ttctgtcaga	atctacccgc	cctcgaaacc	cggcagcga	tcgggtacct	ggcaccagca	420
ccactggcgg	atggattggg	atgtgttgca	gaagggccac	cgtctgggaaa	acctctgat	480
gggttggcaa	tcgtctgctg	ataatatgca	gggcactcat	ctgaacttca	agtccaagga	540
ggaagccatc	atgtttgcgc	agaagcaagg	ctatgagtat	tttgttcagg	agccaaatga	600
ggcgagattc	gttccctaagg	cttatgcgaa	caacttcggt	cacgaaaccg		650

<210> 4551

<211> 686

<212> DNA

<213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(686)
 <223> n = A,T,C or G

<400> 4551
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 gttgatccgt tcgctgggga gtcacttggt aacaccctct cctttctctt gctgatatat 120
 atgtccttaa gcccgcccat ggctgctccc cgacttttcc gccctgcagc tcgtctgctt 180
 tcatacagtc tctctgctcc tcgccgctcc gccttcccc aatcggcagc cgctccctcc 240
 atcctacgct cccggggcta tgctacggaa ggtggtgcta aggaagtcac tgttcgtgat 300
 gcattgaacg aagctctcgc ggaggaattg gagacgaacc cgaaaacatt catcctggga 360
 gaggaggtcg cacagtataa cggagcttac aaagtgaaca gaggtctttt ggaccgtttc 420
 ggccccaaga gagtcattga tacgctatc acagaagcag gcttttgagg tctggcgggt 480
 ggcgctgctc ttgctggcct gcaccccat tgcgagttca tgaccttcaa cttegccatg 540
 gaggtattg acaaaatcat caactctgct gctcagacca ctacatgctt ggtggtattc 600
 aacctgcaa cgtcacttcc cgtggcccca atggattcgc cggccgggtg tggggtctan 660
 cactcacagg actacttggc ttggtgta 686

<210> 4552
 <211> 790
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4552
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 tcacaatggg caaggacgct ggtttttgctc ctggtgactc tgccaagggt gccaaagctct 180
 tccagactcg ctgcgctcag tgccacactg tcgagaagga cggtgccaac aaggtcggcc 240
 ccaagctcca cggctctctt ggccgctcaga ccggttccgt tgatggctat gcctacaccg 300
 atgccaaaca gcaggccggt gtcacttggg atgagaacac tctgtactcc tacctcgaga 360
 accccaagaa gtacatcccc ggtaccaaga tggccttcgg tggctcgaag aaggctaagg 420
 agaggaacga cctcatcact tacctcaagg agagcactgc ttaaagtctc catctttact 480
 gaataaaaata ctttctcctt cccagttcaa gcggcttgct gcacgggac tgatacgtcc 540
 ccagaccctc ggcagtttga cggacagggc atgtaatat actcaatacc ttgtttactt 600
 gcaatagatg tgatttttcc tttgtgcgca ggatttgagg gtttcataga gatgtgtttc 660
 cttcacgacc ttgtctatgt cggcccataa ccttatcaca tttccctctc gatggtcatg 720
 tttttcagct ctgtgtatca tgggtaagtt tcaggggcgt tggctgtaat gaataaagat 780
 atctcctctc 790

<210> 4553
 <211> 521
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4553
 cctgccaca ccagattgag ttgaagcaac ttttctgcaa cctccgcaat acccgatttc 60
 acagccaaaa agacctgacc cccgagaatc ttttcggttg agttggctcc gacgaagcca 120
 tcqatgccc gttaagatgt ttctgcgtgc cgggaaagga taagatcctt acttgccccc 180
 ctacgtatgg catgtatggg gttagtgccc aggtcaatga cgttggatcc gtgaaggtgc 240
 ctctggatgt ccgagaatgg ttccagctac agccggaaaa gatcatcgag actctgtctg 300
 cggacgactc gatcaagatg gtgtacatct gctcactcgg taacctaca gccaaacttg 360
 tccgcaagtc ccacatccag aaggtgctgg agcaccctac atggaatggg gtggctcgtc 420
 tggatgaggg atacatcgac ttgcacctcc gaggtcccaa tcttcgccga tgggtcaacg 480
 attgcccann ttgttgggat tcaaaacttg agtagggcct t 521

<210> 4554
 <211> 655
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4554
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aaccctttcg tgcacactca accgacaaaa tgtcttccga aaagaaggat aagctcgagc 120
cgcaaataca gtcggtcgat atgacggagg atatgcagca ggaagctgtc gaagttgcga 180
tcgaggcaat ggagaagtag cacattgaga aggacattgc ccagtacatc aagcgagagt 240
ttgactcgcg caaaggagct acatggcatt gtgtcgtagg gaggaatttc ggaagctttg 300
ttacacacga gacgaaacac ttcattctact tctacctcgg acaactgcgc attctctctt 360
tcaagaccca ataaactcgc cctgacatac atggttggaa ataaaaagag gaccgagtc 420
ttgggcgatt gggccttgac tgccaattgg gacttaccga cataaaatag acgcccgcga 480
cgtatctatc taaaactcgc gacacgatgg acaggccctt gagatcaggc gtcattggcaa 540
ttggttgctg cataatcttc cctttccttc agcggatattt atttacaatt tcgactctta 600
catgattcaa tatggtcacc attggatctg gatgtgagct agattggtcg tacca 655

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<210> 4555

<211> 725

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(725)

<223> n = A,T,C or G

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<400> 4555
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tggtcccgat gaccccgcgga acccttttaa ctggtcgact ccaaaaaaag caccggcagtt 120
agtcttcatg gcattcaata cttttgtcag cctctagca tctccatgt ttgccccagg 180
cgtccaatat gtcattgcgcg actttcacac caccgaccaa atgttgggat cgtttgttgt 240
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atatggccgt gtcccgctat accatgcttg caatgtgatc tttctggtgt tcaactattgc 360
ttgtgcagta ggcgaaacct taccocagtt gatcgtgttc cgtttattcg caggatctgc 420
tggcgtttgc cccatcacta tcggctctgg aacggttgcc gacatgggtg cgggtggagaa 480
gagagccggt attatggcca tctgggctct aggacctatc ttgggacctg ttgtcggacc 540
cattgcgggt ggggttcttg ccgaatccgt gggctggcga tgggtgtttt ggggccttgc 600
gatcggcgga ggtagctcta ctgccgcttg cccatagagt aaaatgctga caatccagac 660
ccggggtatg acgaacgggg gttgcttgcc tattgggaat ggatgccccg gggcttttac 720
aacgg 725

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<210> 4556

<211> 674

<212> DNA

<213> *Aspergillus oryzae*

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<400> 4556
tgaagcgcat gaccgaagga agagaatcct tgggtggcag tggacagccg gattctaaga 60
gacgggcatt gacgagcgaa gaagccgctg cgcgcttccg cgatggcctc tttgaacct 120
cggagcagca gaagtatacc gatcaatacg ccgagtccgc accgtacaag catggagtca 180
tccatccctt aatcgagcct tcttgcctac gcgcggtccg caacgaaatc caagagaact 240
tggacttccg cgagaaagag acggatattt acaagatctt ttagtccgga gatctggcga 300
acctggacgg gctggacgat gcattctctgt cgcgactccc ctccctgctg aagctccgtg 360
atgccatgta ctccgcccgc tttcgtgagt acctgtcgtc cgtgactggc tcgggcaagc 420
tgagtggtag caagaccgat atggctatca acatctacaa cgagggatgc cacttctgt 480
gccattgacga tgtcatttga agcagacgtg tcagctacat cttgtatctg actgatccgg 540
acaccccttg gcaggcgga tgggtgtgtg caatgcgcct ctacccacg accacgaaga 600
aggatgcaca gggcgaagac gtcaagatcc ccagcccgga ctccagtcac agcatccgc 660
cgccttccaa ccaa 674

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<210> 4557

<211> 696

<212> DNA

<213> *Aspergillus oryzae*

<400> 4557

aatatactttt	tcaatgcgag	agcgggtcgga	gtccaggggt	tgcgacaaac	caagcttcac	60
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ttgcgaaaagg	ctaattgat	ctctgccaag	gcacatattg	ctgctataag	agcttcaaag	180
actgcagtaa	acgagcgtga	gattgagggc	gcgtttatcg	cgacgtgtat	cgctcatggt	240
gctcgtgagc	aattttatca	ccccatcggt	gcttgtgggt	caaacgggtgc	cacccttcac	300
tatggcaaga	atgatgatga	cctgacggat	cctgcaacga	agcaaaggaa	gaataacatt	360
ctcattgacg	ctggaggcga	ataccgggca	tattgctcgg	atataacgag	cgtgttcctt	420
ttaggtggga	gcttcacaaa	agaaacccgc	cagatttatg	agatcgctct	acaaatgcag	480
ctggaatgca	tgcgaatgct	caaaggagat	gtgcaatggg	aggatgtgca	tgcgcattgca	540
cacggtggtg	ccatcaaggg	cttgctcgct	ttggggattc	taagtggctc	cgaggatgaa	600
ttattcgaga	agagaatcag	cgtagcgttt	ttccctcatg	gtctcgggca	ctatcttggg	660
atggatnaga	atgacactgg	gggcaatcca	aaatct			696

<210> 4558

<211> 618

<212> DNA

<213> *Aspergillus oryzae*

<400> 4558

caagtcattg	tgcacatgat	cataggaaga	agccaagggc	cgctttgagt	cgcggtcgggc	60
ggctccctgg	cacttccaac	aggggtggcaa	gccctctccg	atggaccgaa	tccgtgccct	120
gcgcattggc	atccgatgca	tgcagcacat	cgaaaccttc	tccggcaagt	ccgccgacga	180
gattgcgcgc	gacgagcttt	ctgcgaccgt	catcggtgtc	aagggatccc	aggtactctt	240
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cccgaaaggac	gaattctggc	tgcacttgca	gagcaccgtc	aactttttgt	tccggtcgcg	360
cagctttggc	gagggaaga	cgggctgggt	ttgctacgaa	aactgttaaa	cgttggcata	420
agaacaacaa	cttgcaactg	taaaaggcgt	aatgaaagtg	gggtgggttag	attccgtgaa	480
ccgcgggaag	actggctggt	ttccctttta	atactagggc	ggcaagaaca	aaacaaaact	540
tgaaatgcag	ggatggctgc	ttccctttgt	tcattgacaga	caggatttat	tgattgaaaa	600
tattaatctc	cccttttt					618

<210> 4559

<211> 830

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(830)

<223> n = A,T,C or G

<400> 4559

gggaatgctt	gtgcaattta	tcggtgcact	cttcgtccta	agaaccaagg	ctgggtatga	60
tatcttttaa	ttcattttca	cgttggccag	agaactcttg	gaattctcca	agcaagggtg	120
ggacttcttg	gtggaaaactg	qatgggcca	taaaacacag	agctgggttc	tcggttagtgt	180
tgctccgggt	atcatctttt	tcggtgttat	cggtgagttg	ctctactaca	ctggcgctct	240
ccagtgggga	attggcaagt	ttgcgcgtat	ctttttcttg	gctatgcgta	tctcggggagc	300
tgaggctgta	gtagcagctg	catctccctt	tatcggacaa	ggcgagtcag	cgatgctcat	360
caagcctttt	gttccctatc	ttacgatggc	ggaaatccac	caaactcatgt	gctccggatt	420
cgctactatt	gcaggatcag	tcttgggtgc	ctacatttga	atgggtttga	acccccaaagc	480
gtgggtgttc	tcattgtgga	tgagtatttc	ggcatccttg	gnagcatcta	agctgcgttg	540
gcccgaagaa	gaggaaaacc	tgacagctgg	cgttatttgc	gtcccccgaag	acgatagcca	600
caaagcagct	aacgcctctc	acgcattctc	caacggagct	tggatgggta	ttaaagattgc	660
agggcatgatt	gccactacgc	ttttgtgtat	tatctccctc	gtaggtctcg	ttaacggcct	720
gctgacctgg	tggggteact	acctgaacat	ctacgaaccg	gacttgacca	tngaactcat	780
tggttggctac	atctgtctac	cgattgcctt	tcttcttggg	gtctcccgcg		830

<210> 4560
 <211> 653
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4560
 cgtggcttat attccacaga gagctgcctt tattcctttg tatttgacac cagccttgaa 60
 tacctctacc taggcgaata caagtacttg tagccatgag agcagtcggt tacactggaa 120
 aggacaccat ctccggtggag gaacgtccga agccatccct cctagaacct accgacgcca 180
 tcgtcaaggt ccaacacacc accatctgcg gaacagatct gcatattcta caaggccacg 240
 ttcagacatg cacacccgga cgtatcctcg gccacgaggg cgttggaatc attgagtcct 300
 tgggtacccg cgtcacacgc tttctgtcg gacaacccgt cctgatctcc tgcacacgt 360
 cgtgtggctc ctgcaatttc tgccgcaaga gaatgccctc acaatgtaca tctggtgggt 420
 ggattctggg caacaccatc gacggcacgc aggcagagtt cgttaaggatc cccacgcat 480
 cgttctcggt ccatgcgcta ccaaacggcc tccatcttaa agtcgctgct accctatccc 540
 atgttcttcc gactgcatac gaatgcggca ttctgaacgg tccagatccag cccgggtcaa 600
 ctgttctgat catcggcagg ggttcaattg ggcttgaggg cgtttaaaag ggc 653

<210> 4561
 <211> 1387
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(1387)
 <223> n = A,T,C or G

<400> 4561
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 gtcacatgc ctccgggttc agttcttggt actgggtggga cgggctacat tggctctttc 120
 accgcccttg ctctctctga ggctgggttac aaggctcgtc tcgcggaaca cctctacaac 180
 tcttcgcgcg aggtctctcg tcgcattgag ttgatctccg gcaagaaggc tgagttcgct 240
 caggctcgatg tcaccgacga ggcggctttc gacaagggtt tcgaggccca ccccgacatt 300
 gacagtgtta ttcaattcgc tgccctcaag gccgtcggcg agtctggtga gaagcctctg 360
 gactactact atgtcaacgt ttaacggaact ctcaacctcc tgcgttccat ggctcgccac 420
 aatgtctaca acattgtctt ttccagctcg gccaccgtct atggtgatgc caccgcttt 480
 cccaacatga tccccatcc cgaggagtgc cctctgggcc ctaccaacct ctacggtaac 540
 accaagttcg ccgtcgagac cgcaatcacc gatgtcatca acgcccagcg taacaacgt 600
 gccaaaggcg gaaaacgagga agaaagcaag aagtggaaag gtgctttgct gcgctacttc 660
 aaccccgctg gtgcccaccc cagtggcatc atgggtgagg atcctcaggg tgttccctac 720
 aacctgcttc ccttctctgc ccaggctcgt accggcaagc gtgagaagct ccttggtgtc 780
 ggtgatgact acaagtccca cgacggcact gccatccgtg actacattca catcctcgac 840
 cttgccgatg gtcacttgaa ggctctcaac tacctgcgcg cgaacaacct cgggtgttct 900
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 aacctcaccg ctaacccccac ccgcgccaac accgagcttg gctggaaggc tgagcgcact 1080
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 aaatgatcta ccggtggatg cttagatcta tgatgcgaag gtggacggat catcgaaatc 1260
 gccctcgat agacacaaaa agcctgtaga ttggttgaga ctaatttctn ttcttgtttc 1320
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 aatttcg 1387

<210> 4562
 <211> 993
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(993)
 <223> n = A,T,C or G

<400> 4562
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 gacggagtc catgcttggg attcgcgacc cccgtcgtgg ccaacgctgc tccgtggcat 180
 taattttctgg ggcgctgatc atcgccagat ctacctcctt ggcaacccac ttatctggtg 240
 gtccctcgaca ttggcaattg gcatctacgt actattttaag ggaatctcca tccttcgctg 300
 gcaacgtaat tgtgcggact atcggaacgt taattttcaag agatttgact acgaggttgg 360
 cacaagtgtc ttaggatggg ccttccacta tttccccttc tacctcatgg cccggcaact 420
 ctttctccat cattatcttc cagcgcttta ctttgccatt atcaccttgt gtcaagaatt 480
 cgacttcctt gccaacgta tccatgctct tggactagca tccaggcccg ccattggcaa 540
 ggcgttggcc qgtatttttc tggcaactgag catcttccact ttgacacttt atctctcttt 600
 ggtctatggc aacccctgga ctccagaagc ttggcggaag gtgaaactat tggacacctg 660
 ngatttcgac tgcaaacctt tccatactga ccttgggcaa tatgtaacct actttacaaa 720
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 taccgccgag cccagccccc ctctgtctaa ggcacggggt gaataccgtg atcaggatgg 900
 caatattttg agcagagaagc ttgtttgccg cctttgccag ganggcaaag tatnctttga 960
 gactcgcatg agactcgtae tgccttggaag cag 993

<210> 4563
 <211> 674
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4563
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 aataccctca tgggtcaaac acaacaagag cttgctaact atggcaataa acagttcaat 120
 ggcaagggac atcgcggttc aatgatcctg caactaatga caggttttgc ctctcctttt 180
 atatcctcca atgaggggac ttcaactgaa atctcaaaca cagagctttg cgggtgggccc 240
 agaattctatt atatatccaa ctccgttttc ggcaaatctc ttgagacaat tgatcctaca 300
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 agtcgctctt ttgtccctga tcttgccctac tagttgtcgg gcacctcag agcaggttgt 420
 gggcccactt agtccagtat gtgactagct tgcgatggag gaacttaaaa ttgcttgcca 480
 tgacggcgaa aaaaatccac ccccttccct gccagggcta aaaggctatt ttagtgaggt 540
 acgacccccc ctcttcgggg agcggtttgg ggccctggac aagaagaagg cggggtcccc 600
 tgaattccaa agcacgggtg ccatataaaa atacaaaccc atctcttatt tttccggggg 660
 gcgggggggtc tttt 674

<210> 4564
 <211> 801
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(801)
 <223> n = A,T,C or G

<400> 4564
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 ccttagaacc cgtcatctgc aaacaaatca tggaaatcca ccacaaaaaa caccacaaaa 180
 cctatatcac caacctcaac gcgcgcctct cgcgccaatc caccgcccctc gccgcaaaaa 240
 acatccccc a gctcatcaac ctccagcaaaa agatcaagtt caacggcggt ggccacatca 300
 accactccct cttcttggaag aaactggccc cccacgcctc ccccgagacg aacatcgacc 360

aggccgcccc	cgtcctgaag	gcggccatcg	aggcccagta	cgggtctgtc	gagaagttca	420
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ctaattggacc	ggggggcaag	ttggagattg	tttcgacgaa	gaatcaggat	ccggttacgg	540
ataagggtgcc	ggtttttggg	gtggatatgt	gggaacatgc	ttattatttg	cagtacttca	600
ataacaaggc	ctcgtatgtg	gagggcatct	ggaaggtcct	caactggcgc	actgcggagg	660
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tgagtctttc	tgcttagcaa	gtagacaaac	ataaatatga	atatgcataa	ataaaacccc	780
tttnngnaan	agaaannaaa	a				801

<210> 4565

<211> 654

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(654)

<223> n = A,T,C or G

<400> 4565

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gcctcgccaa	ttcttcgtcg	gtggtaactt	caagatgaac	ggtactgcgg	aaagcattac	120
cgccatcatc	aagaacctca	acgaggccaa	gctcgacgag	accaccgaag	tcgtcgtctc	180
ccctcctgct	ctctacctga	ccctcgccca	acaggtcgcc	gacgagaaga	agaaggttgc	240
cgtttctctc	cagaacgtct	tcgacaagcc	caacggtgct	ttcaccggtg	agatctcggg	300
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ggaagtccac	cccgccattc	gaagtgggct	cgccgatgcc	atcttgcccc	aggccttcga	600
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<210> 4566

<211> 672

<212> DNA

<213> *Aspergillus oryzae*

<400> 4566

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gacagtgtct	acgattgggtg	tcttcccggg	ctgccgtccc	cttgtcttcg	tatctttccc	120
gtgttaggcc	gtattcctcg	gcatacaggat	atgagcacat	cctgacctcc	agccccaagc	180
ctgggtgtcg	gctgagtatt	cacattgaac	cgccctaaag	cccttaatgc	cctttcaagc	240
ccccctctca	aagagatcaa	cyatgccctt	tcctaaatcg	atgaggacaa	ggatattggc	300
gccatcataa	tcacagggag	tgagaaggct	ttcgtctgtg	gtgccgatat	caaggaaatg	360
gcgcccttga	ccttctccgc	tgccctacagc	aacaacttca	tcgcccttgc	gtcccacctt	420
gccacaata	tcgtaaaacc	cgttatttgc	gcagtgtctg	gctatgccct	tggtgggtgg	480
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ccggaaatca	aactaggtgt	tattcccggc	gctggcgggt	cgcagcgcc	gactcgtgcg	600
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<210> 4567

<211> 673

<212> DNA

<213> *Aspergillus oryzae*

<400> 4567

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cgttcctctc	ggaagtcgcc	attcctgata	ctacctctct	ccacccttg	gctggcctga	240
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cgtaccttgc	cggtttgacc	attggaggag	catggggctc	tgctgaaggc	atgaagaagg	420
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<210> 4568
 <211> 659
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
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 <222> (1)...(659)
 <223> n = A,T,C or G

<400> 4568						
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gctttggcgg	tgctatggat	ctagtctcca	accctccgc	tacgaagggt	gttgctacta	240
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ctgacggtct	taccctgggt	gagcttgccg	atggtgtcac	tggtgatgag	gtccgcagca	420
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aagcgtatag	tttgtgaagt	catgtcgggt	acgggaatct	gtgtatatac	catttcattc	600
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<210> 4569
 <211> 668
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
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 <222> (1)...(668)
 <223> n = A,T,C or G

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cgggttaatt	tccaaagcan	atgcgctttt	ttggacgctt	gcaaaagccg	catacacatc	540
tgtgctatac	ttgctttatc	attggctcgc	tcnngtgtat	gtacagcate	tcttcagact	600
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taccata						668

<210> 4570
 <211> 688
 <212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(688)

<223> n = A,T,C or G

<400> 4570

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tcacgcaaaa	cgttccccgc	agttctctcc	cgtatcaaag	tctcggtcag	ccttacgttg	420
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caatcatttt	ctttgggtgg	gaactttggc	acaaaaccca	gattccaaaa	cctgaaaaaa	600
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<210> 4571

<211> 704

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(704)

<223> n = A,T,C or G

<400> 4571

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aaacaagaag	aaatatgcgg	atagtagcct	ttctacgggg	caatattaca	tggttgccgg	420
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ccgtgaaata	caggcttaly	gcattgtggt	cttgaccttt	gaatacttqa	tgaaccaaga	660
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<210> 4572

<211> 746

<212> DNA

<213> Aspergillus oryzae

<400> 4572

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gtggcgccaa	gcgtcacccg	aagatcttgc	gtgacaacat	ccagggtatc	actaagcccc	180
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<210> 4573
 <211> 1117
 <212> DNA
 <213> *Aspergillus oryzae*

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cttgatgggt	agtttaaggat	gccaggagaa	tctaattttc	gcctatttgc	atatggaagc	1080
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<210> 4574
 <211> 692
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
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 <222> (1)...(692)
 <223> n = A,T,C or G

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<210> 4575
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 <212> DNA
 <213> *Aspergillus oryzae*

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<210> 4576

<211> 667

<212> DNA

<213> *Aspergillus oryzae*

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aagaaaaccg acagaggata cgtttttatc gtttacgagc gcgagaaaag catgaaagcc 600
gcttacaaag agacggatgg cattcgatc aaggaccgac gtgtcttggg tgacgtaaaa 660
cgtggtc 667

<210> 4577

<211> 644

<212> DNA

<213> *Aspergillus oryzae*

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<210> 4578

<211> 655

<212> DNA

<213> Aspergillus oryzae

<400> 4578

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<210> 4579

<211> 545

<212> DNA

<213> Aspergillus oryzae

<400> 4579

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<210> 4580

<211> 874

<212> DNA

<213> Aspergillus oryzae

<400> 4580

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<210> 4581

<211> 634

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

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gctgctcccg gtgcgttccg agagcccagc aggttgccca ctcggtgccg cgtggcgacg      180
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gccaatgcga tgggtcccccag tcggcctgct gccagggccca caatctcgaa cgcccaccat      300
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taacacatac gttccggggac gcatgatgcc tggaaaaatag caccgtttag gactgggttc      600
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 <211> 668
 <212> DNA
 <213> *Aspergillus oryzae*

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cgaaggtgat cgaagaggcc aagaacgacc ctgagctcga gctcctggcc ggtggtacct      120
acgactcctc caagggtctg tacatcagc ctaccgtcta ccgcacttcc aacctgacc      180
acctctcctt gtcccgtag cttttcggcc ctgtcctggt cgtccacgcc tacaacgacg      240
ccacggagge cgacttcacc aagatctgcg agaagatcga ccagaccggc gagtacggtc      300
tgaccggagc tgtgttcgcg caggaccgcg aggtctccg ccaggcggat gacgctctcc      360
gcaacactgc cggcaacttc tacatcaact gcaagagcac cggtgccgtt gtcggccagc      420
agcctttcgg tgggtctcgc gccagtggca ccaacgacaa ggcgggcagc ggaaacctgc      480
tctctcgttt cgtcagcttg cgttccatga aagaggagtt cgtccctacc tacaacgctg      540
gctaccctag caacgcataa attgtgtcat gaaagtcttt ttttgtaaat gtattccccg      600
atctgtatct ggtttggtaa tttggtggga atggctatct ctgcataaaa ttttggcggt      660
catatgac                                     668
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<210> 4583
 <211> 686
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(686)
 <223> n = A,T,C or G

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<400> 4583
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accgtccctt catatcatac cgacaagatg agcgttacca cagccgcgcc cgtggaggcc      120
aaaaccgagc ccgngaagct aagcggcttg aacctgtatt cgcgattcgc attcgcggga      180
gccgtctgct gttccgtcac ccacggagggt ctaccccccg tcgatgtcgt caaaaccctg      240
atccagctcg accctgtcac ctacaaccgc ggctccatcg gtggttcccg ccaggctcctc      300
cagaatgaag gcgcgggggc ccttctaaac ggtgcgggtc ctacattcgc cgggtacttc      360
ctacagggtg cgtgaagtt cgggtggttat gattcttcca aacagcagtc gatcaacact      420
ctcgctatg aaaaatgcag aaacaacctt atcgccgtct actgtgtttc gtcgqctttt      480
ggggagttct tcgtgatata tgcgtctgtt ccgcttgagg cgaacgctat tcgttgggtg      540
tcngagccga cctttgctag tggcctngtt tctgggttct ggaggattgc tcgtcaggag      600
ggtcttgctg ggttttatcc ttgctttggg gctattctgt tcaagcaggt tccgtatacc      660
atgtccaaat tcgttggtca agaaaaa                                     686
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<210> 4584
 <211> 1073
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(1073)
 <223> n = A,T,C or G

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<400> 4584
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ttgacgcgac atttccatct ctgcgacctt aaatctcgac gcttttcaaa atgcctgggtg      120
gaaagggaaa gtctatcggc ggaaaggctg gttcaaagga ctctgcgggg aaggctcaga      180
agtccacacg cgcaaaggcc ggtctgcagt tcccttgccg tcgtgttaag cgtttcttga      240
agaacaacac gcaaaataag atggcggttg gtgttaagc tgcgtctat gttacggccc      300
tgtttggagta cttgactgct gaagtctctg agcttgcttg aaatgccgcc aaggacctca      360
aggtcaagcg tatcaccccc cgtcacttgc agcttgccat ccgtggagac gaagagttgg      420
acactctcat ccgcgccacc atcgctttcg ggggtgtctt gccacgcac aaccgtgcgc      480
tgttgctgaa ggtggagcag aagaagaaaa acaagactga ggcttaattt acggcgggata      540
ccccacgaat atggcggttg aaatgatgac gattgaaaag gactccggga tatgtctgtt      600
acagcgatcg acctttaact ggttctaatt caaacccgac cagttgcgaa agaaaaaaaa      660
aaaaaggaaa catccaatga ggaaatggag aactagatga attggcatct ttcaggacag      720
ggattttctc aacagacgca tccccattt ttacttttcc ctaccccacg acgctacagt      780
tcgcgacgct ttttctctct tggactctgt tttctctat gtgctccgtt cataccgatg      840
gtctcgaaat actagggcgc tgttaatgga aaaagggtgat atcttaacac ggggatgatt      900
ttcgattttt agctttttct ggttcctatt ttttttcccc cctatacttt ttttcccatg      960
aaactttatt ttttaattgag atgcgggggt taaatggctt cccaaaaaaa aaaaaanaaa     1020
aaaaaaaaaa aananntttt tcttgggggg cgtttgaaca ttctttttaa agt                    1073
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<210> 4585
 <211> 979
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(979)
 <223> n = A,T,C or G

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<400> 4585
tacgaagctt ttttccgatt ccaaactaag ccggaactta ccggtatgg cgagggtttac      60
tatgagggtg aggaatacga gacgaacctt agacatttac ggccggggcga gcttagcgct      120
gagctcaagg aagccctcaa tatgccaccc ggtgcgcccc ctccctgggtt aatcaaccag      180
cagagatatg gcccaccccc atcatatcca gccttgaaga ttcccggtct caacgcgccg      240
ccccctcttg gtgccatgtg gggatatcat cctgggtggct acgggaagcc accagtagat      300
gagcacaate gtcctctcta tgggtggtgat atttttgggtg tattgcaacc gcaacagaca      360
atgcagcaag gcgagcctgt cgagaaggat ctctggggtg agctacaaga acccgagcct      420
tctaacqaqg agagtgaaga tgaagatgat gaggaagatg aagaggacat ggaaacgggc      480
gtccagactc ctgagggact tgagagagcc agtggggttaq catcagctgt tccctctgag      540
thagctggcg aagagaatgt ttggggggaa tttgaggtgc gcaagcacta tggaggcaca      600
cagactgaag agtctgttaag tcaacaagagc gcttttccaag ttatcccaga ggcacaagcc      660
aatgtgcggg gctttcttgg tggcgaaaagg gtgtatgac ttgctgcgca tccagaaaac      720
ttggcggttg ttggtgctga tgaacaaaat ccggaagcgca agaaaaccgg cgacgtttgat      780
gtctctatgg acccgatctc tctacagtna aatgngggat ttaqcaaaqa aagcattcga      840
aagctttacg aatcccaaaq gcagcaygaa aacaatccta gttgggggatt ccaggaguar      900
ctaagtgata tgattgctca agaaaagccgn caaaagctca aaagggaaga agagaacgga      960
accgccattg aaatcactg
979
```

<210> 4586

<211> 692
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(692)
 <223> n = A,T,C or G

<400> 4586
 cgacgacagg atttccgtcc tgaacgcgcg cgggatcgct ctccagaacc caagaaacaa 60
 cctaaagtcc tggtagcacc gaaaccacgt cccaccatcc ctgaagaatt cgctaaatcg 120
 gactctgttt attaccgaaa acctggaaat gaatctgtca ttggagctgg cacatatgga 180
 aagggtcttca aagcaatcca cgtgtatacc cagagaaagg tggcattgaa gaagatacga 240
 atqgagggcg agaaagatgg gtccctgtgc acagctgtgc gcgagatcaa gttgctgcaa 300
 cactctcgca acgataatgt tctgagcttg ctggaagtcg tggtagagag gaatgagtgc 360
 tttatggtgt ttgaatatct ctcccatgac cttaccggtc tcatcaatca cccgactttc 420
 acacttacgg cagcccataa aaaggacctg gcaaagcaga tgttcgaagg attgagctac 480
 cttcaccatc gtggagtgct gcctcgcgac atcaaggccg ccaatatcct tataagcaac 540
 cgtggacagc taanatacgc cgacttcggt ttggccagat tcttttcaaa gagtcgacaa 600
 cttgattaca caaatcgtgt tatcaccata tggtagccgac cgccggagct tctnctgggt 660
 gaaaccggta cggacagcaa gtgacgtttg aa 692

<210> 4587
 <211> 723
 <212> DNA
 <213> Aspergillus oryzae

<400> 4587
 tggaggatct cgagggccct tttgataacc tattcgtgaa ggatctttct ggatgcccgg 60
 gatacaaggc caccaagcac tggcagactc ggtctggctt ttatgcggac ctgactctcg 120
 cagggtccggc atgcaacgtc ttccggcactg atctcccgga cttgaagctc gaagtcgagt 180
 atcagaccag cgatcgactc cagctcaaga tcttggacac caacaacact gtctaccagg 240
 ttccagacag tgtcttcccg cgtccgggat ttggcgaatg gtgctccccg aaggacagca 300
 agctcaagtt tgacttccag gccgacccct tctcgttcac ggtgtctcga actgataccg 360
 gtgaagtgtc cttcgcacca ccggcaacaa actggtgttc aagagccaat atgtctacct 420
 gaaaacacac cttccgcaga ccccatctg taccgtctgg ggagcacagt gatgcattta 480
 tgetcaacac gaccaactac acccggaaca tottcaaccg tgatgcttac ggaacacccc 540
 aaggcgagaa cctgtacggt gctcatccaa actactttta ccacaggcaa taccgggaat 600
 caccgagagg ttctgtctca acttttaacg gaatgggata tctttaattg acaacaaact 660
 ccaccccagt ttctttgagt aacaacaatc attgggcggt ggtgttcaga ttatttatca 720
 ttt 723

<210> 4588
 <211> 638
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(638)
 <223> n = A,T,C or G

<400> 4588
 cacaatatgt cgtatctcgac gattcagcct ccttaccctc tccatccttc cgttaaggac 60
 ctcttggatc ccgaatacat ttctttctat aacgagtatg tcatcaacca ggagcaagtc 120
 catcttcaac ccgtcgaagc ctcccgaaac agcgggggtc tgatccctgg cgggggtccg 180
 ctctctgagg taggaaagac agaggatata acgatcaagg gacgcgcgac agaaggtcca 240
 gagatcctgt tgcgtgcatt cccccagct ggggagacac cagacggagg gtggccgggtg 300
 atgctgtatt tccacggngg tggatgggtc ctgggggaata taaacacgga gaatccggtt 360

tgcacaaatt	tgtgcgtgag	agggaaactgc	gtcgtagtca	cagttgatta	caggcttgcc	420
ccagagaatc	cctttcccgc	agccgtccat	gactgttggg	attctcttct	ctggctgatt	480
tctgacggac	cctcacgact	ctctattaat	acatctaana	tggcgaccgg	tgggctctca	540
acgggcgga	actaccctca	atcatcaccc	acaaagcctt	aacactttta	ccacccttc	600
actttcttgg	ccaagctctc	tctgtccagt	gacagata			638

<210> 4589
 <211> 649
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

<400> 4589						
gggcagccat	ggtcctgaac	agccaggttc	caaatttgaa	acaataatgc	cttccattgc	60
aaagccacct	gccatttcag	agaatcttcg	ccggggcaat	ttcactgcac	cacttgaact	120
tggtatttta	cgaaattttg	aatttgtctc	tgaacttcga	cgcgcgagcg	ttattgtaag	180
acaatttggg	gacaatgggt	ctagcatttt	cgtcaagggt	gcaccagaaa	gcgtcagagc	240
catatgtctt	ccagatagtc	tgccctcaaga	ctttgaagat	ctactgaacc	agtacacca	300
caaaggctat	cgtgtcattg	cttgccgcgc	tagatacgaa	cagaagttga	gctggatgaa	360
agtgcacaaa	atgactcgtg	gagatgcaga	aagtgatctg	gaattcatag	gcttcattat	420
atttgaaaac	aaagtgaaac	cgacaagtac	cgagactatt	gctgaactga	accaagcagg	480
aatacggacc	gtcatgtgca	caggagacaa	tatccttact	gcaattagtg	tgcgccgtga	540
gtgtggcatg	gtcagcaaaa	gtgaaccatg	ctttataccg	cacattgtag	aaaggtcgtn	600
ctcatgaatt	ggtagccttc	actttgctgg	gagaatgtag	aatattccn		649

<210> 4590
 <211> 547
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4590						
cgaggctctt	ggagtttttt	gctgccggct	tgctactggt	tctgcacccc	cataatccca	60
tggcaccaac	agtccatctc	aactaccgtt	actttgagac	gtcagaccct	aaggatccta	120
tcaattggaga	taagaatttg	tggttcggcg	gtggttacaga	cttaacaccc	tctacctgt	180
tccccgagga	tgtcaagcat	tttcaccaga	ccatcaaaga	cgcttgcgat	aggcatgatg	240
caacatatta	ccctcgatcc	aaggcctggg	gcgataagta	tttctatctt	ccacatcgcc	300
gagagtctcg	tggtgtttgg	ggtatctttt	tgcacgatct	tgatgccagt	ttcttggagt	360
catctgccac	ttcatcacag	aatctcagg	aaactctatt	ctcgttcgtc	tccgatagtc	420
tggtcttcct	cctttctctc	tatgttctca	tcattgaacg	ccgaaaaggat	acgccattca	480
cacctgctca	aaaaaatggc	agcagcttcg	acgtgggcgc	tatgtgggat	tcaacctggg	540
ttatgac						547

<210> 4591
 <211> 720
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4591						
ccgcacgaa	gttgcgactg	aacgcagccg	cgtaaaaatt	cactcaattt	cccagttatt	60
tgaaatttcag	ctcgcaagca	tattgtacct	ctcattttctg	aaaacaaata	gtcgctaaaa	120
tgtaactac	caggcgagcg	ggatgcaaaa	gctctcggcc	gctatcctc	cctaaagatt	180
ctctcgctca	gcaacctcaa	acaatttgct	tatatccact	ttcgaattac	acattcgga	240
ccaaggaaac	gcaaccggag	gaggacccct	cagtcctggc	ccgtctaaag	cgcttggagg	300
agcattacga	ccaacatggc	atgcaagcga	cttgcaagg	tggtcttggt	tgccacgaac	360
ataaccatcc	tcattgtgtg	atgctacaaa	tgcaccaatgc	ctttttcaag	cttcccggcg	420
actatcttca	cttcgaagac	gatgaggtgg	agggtttcaa	gaagcgacta	aatgagcgcc	480

ttgcgcctgt	cggttcgcag	ttctcaggag	aaggtgtcaa	cgaggactgg	gaaatcggcg	540
acacacttgc	gcaatggtgg	cggccgaatt	ttgagacctt	catgtatccc	ttcctgcctg	600
gtcatgttac	ccggcccaaa	ggagtgc aaa	aagttgtact	tcattcagct	gcctaagaaa	660
gaaggtctct	cagtaccgaa	gaacatgaaa	gctcttgctg	tgccgctgtt	cgaactggac	720

<210> 4592
 <211> 698
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(698)
 <223> n = A,T,C or G

<400> 4592	
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caacgcgaatt	gcgttcaatc
atccattggc	ctctgggata
taccgactcc	gtaacttcc
aagctatgat	cgtaaaatta
tgatgatgca	caggatggac
tattttttga	tttcagtggg
acaatctgct	acaggtgtgg
tgccaaccga	ggaattagag
tccatcacct	gatgccggaa
aatatcaatg	agaaaagaaa
ggtttggata	ggcctcacc
	aaaagaacaa
	ttttaccc
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	698

<210> 4593
 <211> 717
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4593	
tcgcatgtgg	tgatgcgaac
tagctgttgg	aggcttttgc
agaaggcgtc	tagaccttcc
aaatagttat	tctagaggag
agttgagagg	ctatggctgt
gcgaatgggc	attcatggca
atggttgaat	accttaatgc
acccactaac	aaagaacttc
taaaatatcc	tccaacaacc
gtgctccaaa	gcaaacactc
gacctctctt	catttttaaa
agtttcccga	tcactacgc
	ccatcacacg
	accaataaac
	atcacgattc
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	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	717

<210> 4594
 <211> 695
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(695)
 <223> n = A,T,C or G

<400> 4594	
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	ccccgcata
	tccagtgtcg
	ttcggcttat
	atatcacgac
	60

aagaacagtc	actcccttca	gaggcactag	cctctcgc	catggattca	ttacatgtaa	120
agctgaactt	cctgggtcag	ctgcctgccc	tcaggatcta	cacgcaaata	tgccctctgt	180
ttccgttcga	tgccctcatc	gatcacgaga	tagtcaggac	cctagagaat	ggcctcgaaa	240
gactgtccac	caatttcccg	tgggttagcag	gccagatagt	cagtgaaggc	agcagccaca	300
acaatccttg	cacattcatg	atcaaagcac	tggggaagac	tccaccactg	gttgtgaaag	360
acttccgtca	tgatcccgac	gttccgacca	tggacgattt	gagacgcgcc	gactttccct	420
ttcggatgtt	agacgagaac	atcattgctc	ctcggaaaac	cttgccaagc	cctgacgaag	480
atattatctc	accggccttt	cttgctcagg	ctaattntat	tcacggcgcc	ctggctctca	540
ctctttgttg	ccatcatagc	acaatggaca	tgactgggtc	nggacaggtt	atccaccttc	600
tctcgaaggc	atgtcgtggg	gatacatata	caagattgga	gctagagtca	gggaacttaa	660
tggaaggtca	tctcgttccc	tcctagaagg	ctcga			695

<210> 4595

<211> 689

<212> DNA

<213> *Aspergillus oryzae*

<400> 4595

cgtgcccttc	taacggctcc	tatttcataa	tccaattgat	cgaaccgctt	tttatcatcg	60
gatagatttg	cgattgtctg	gcttcatttg	tccgcttctt	gaaccgcaga	acatctatta	120
taataactgg	agctagactg	atactttgag	ctcgccaaca	tgtggatcct	acccttacta	180
ggatatttgg	gggttattgt	ggggttctca	tttcttactt	tggccatagc	ttctgggctc	240
tactatatgt	cggagcttgt	agaagaacac	actgttctca	cccgtcgcct	tttgactcgg	300
ttgatataca	gcattatcct	catccagatc	ctcctattcg	tatttgaccg	gtttcctttc	360
tctctatccc	ttctcggcat	cggttcgcac	atcgtttatg	caagcaattt	aagacggttt	420
cctatcgtca	agctatcgga	tccctttttc	attctgtcat	gtgttcttgt	tgggtctaaac	480
catttggtgt	gggttcgctc	tttctcaaaa	cctctacctg	cgtcgcgagc	tgcatccagc	540
tggcgtcaac	cataccaaat	taatgcggag	gacatgccga	ctttcactga	agttgcatct	600
tatttcggac	tttgtgtctg	gctgggtccct	tttgcgctct	ttgtcaacct	tagtgcgggg	660
gaaaatgtct	tgcccagcat	agggtcgga				689

<210> 4596

<211> 622

<212> DNA

<213> *Aspergillus oryzae*

<400> 4596

accctagctc	acttccgtgc	tctccccaac	tgcattggtct	ggcgtccccg	tgatggcaac	60
gagaccagtg	ctgcctacta	ctctgtctct	acctctaaag	acacccccag	cattctggcc	120
cttaccgcgc	agaacctgcc	ccagcttgag	aattccagca	ttgaggctgc	tctgaagggt	180
gcgtacgtcg	ccattgaggc	ccccaacgct	gccgttacca	tcattctccac	cggttccgag	240
gtcagcatcg	ccatcgaggc	tgccacctac	ctcaaggaga	accacaacgt	tggtgcccgt	300
gtcgtctccg	ttccttgcct	cgagggtctc	gatgcccaag	acaaggacta	caagctcaag	360
gtcctccccg	acggtatccc	cgctctctcc	gtcagaggctg	cctccaccat	gggctgggac	420
ccgtacgtct	acgagcagtt	cgggtctcaac	cgtctcggtg	cctccggccc	ttacaagcag	480
gtctacgaga	aattcagttc	accccttgcg	gtatcaacaa	gcgcgccttc	gctaccatcg	540
actttttacaa	gggccacccc	gtgcgcttcc	ccatcaaccg	tgctttccag	agaatctgga	600
gatgtccttt	ggtaaccgga	gg				622

<210> 4597

<211> 701

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(701)

<223> n = A,T,C or G

<400> 4597

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ggcaaacaac	gaaacggaga	aaggagactt	tgctccacta	aaatcagtaa	ccgagcgtca	120
tcacccctac	ttggtggagc	ttattgctgc	cgaagcagga	gttaagccgg	acgacatctt	180
ggactttgag	atgatcttgt	tcgacactca	gaagtcttgc	cttggtggct	tgctggagga	240
gttcgttttc	tcgccccgtc	tgataaacct	gaacagctcg	ttctgtgcca	ctgttggact	300
aatcgactcc	gttgccgatg	cgtcggcgct	ggacgatgaa	ccgtccattc	gtctcattgc	360
gttattcgat	cacgaagaga	tcggcagccg	taccgcacag	ggagctgact	caaagtgtgt	420
tcgggcaatt	atccgtcgcc	tgtctgttct	accttcttcc	acatctggca	atgaagactt	480
ggctactgct	ttcgaggaga	ctttgtcgac	ttcattcctc	ctctctgcgg	acatggctca	540
tgctgtncaa	cctaactacg	ctgctaagta	cgagaatgat	caccgaccgg	aaatcaacaa	600
nggtcctgtg	atcaagatca	acgccatgct	cgctaccoga	cgaaactccc	ctgcattgtc	660
ctactncaag	aagttgcacg	caaagcagcc	aaagaangtg	g		701

<210> 4598

<211> 687

<212> DNA

<213> *Aspergillus oryzae*

<400> 4598

ggtgaagacg	acgggggttg	taattggggc	tggcggcatg	ggccgtgctg	ccattttatgc	60
catgcttcgt	ctgggatgcc	ggaagatctt	catatacaac	cgcaccttat	cccgcgccga	120
gaatgtagcc	cgctacttta	attcatgggc	ggcagcgcag	ggtggctcta	caaaagtggg	180
gcattgtgctg	aggtcattgc	aagatgagtg	gccgtcagaa	acttgtcatc	catgtttgat	240
tgcgtcctgt	gtacctgccg	acccggacca	agatgaacct	ccagcaaact	tcgagatgcc	300
gatgcaatgg	cttgaaagcc	ctactggtgg	ggtggtctta	gagtttgctt	acaagccctt	360
ggagaccccc	ctgatacgtc	agatgcgtcg	tttccgcagt	gaaactggac	ggccatgggt	420
tctggtagat	ggactcgaca	acgtcattga	gcaggccatc	gctcagtttg	agctgctgac	480
gggacggaaa	gcgccacggc	gactgatgac	actggaagca	cttcgcaatt	atgtccggga	540
gcacgggcag	ttcgacgagg	aaacacttca	gacgagactt	gacgggggtc	agtaacacgc	600
ggtcgtgagt	cggcagtgaa	gaagtttgac	acgcattgcc	catcgaatgt	ataaatatgt	660
atthtgtact	acagaaccat	agactgg				697

<210> 4599

<211> 653

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(653)

<223> n = A,T,C or G

<400> 4599

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aaccgcgttt	cgtacagtta	tgaggcggtc	cttacaaacg	aattctcgaa	cagagttatg	120
tcattgtgctc	cttcgcagct	cgtgcctcaa	ggcccagggt	tgatccaag	ataccaaggt	180
tgtgctctca	ctgggtccga	gcttggttaag	gcagactttg	caggaagtgc	gtatcttcaa	240
gaaagtttcc	aattcactcg	gcaccatttg	tggcgcaatt	ttggagtggg	catcgctttc	300
acggttctgt	acctncttgt	cactgtcata	actgcggaag	ttctcttatt	tgtcgggaagt	360
ggggcggggg	caattggtctt	taagaaggtc	aagcglttca	caaaaactcaa	tagegcgaan	420
gggaaaaggt	tcgaatgaaa	agcaggttca	aattcaagcg	gaaatggcgg	tttgtccacg	480
ggaaaaacca	anttttctta	aaggggggag	cttttcgatg	cttttttgtt	gtagaacaaa	540
ttttctcttg	ttaaattttt	aaaaaacagg	gcacgtcgat	taggtgaact	ggnatttgtat	600
aaaagtggat	aggtgtaggg	tgccttgggt	ttagtactct	ttaacgggga	tcg	653

<210> 4600

<211> 782

<212> DNA

<213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(782)
 <223> n = A,T,C or G

<400> 4500
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 agaaaccgct gcaatgatcg tatacaccga cgcactcgag cgacgtgctg aaaccgggtac 120
 ctectacett gactgcttca agaaaagcga cttacgccga accgaaatct cctgctgcgc 180
 atgggcggcg cagagtctat gtggcgcgagg cctcatgggc tattcgactg tcttttacca 240
 gcgcgcaggt ctgcgcgtgt cgcagtcctt caccatgtcg ctcggtgcaat atgccctagg 300
 cgtggtgggg acattcgctt cctggacact aatgtcgtag ttcgggcgct gcaccctcta 360
 cgtcggcggt ctattttatc tagccatcgt attattcgct atcgggttcg tctccatcgc 420
 tccatccaca cccgccatct cctgggccac cggctccatg cttctcgtct atacccttat 480
 ctacgactcc tccatccgcc cgtctcgtt cgcctcgtc tccgaaatcc catcctccag 540
 a tccgtaac aagaccgtcg tctggggcg aaaagctctac aatctctcca aactcgtrac 600
 cggaaatcatt atcccgata tctggaacgt cgacgcagtg aactggcgcg gtaaatcagg 660
 tttctctctg ggtgcactct gcgtttgctg cttgacgtgg tcttctctcc ggtgcacaga 720
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 gg 782

<210> 4501
 <211> 595
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4501
 caagacaaact gacccctctc gaataacccc cagactccgt gatggcgact cagactacag 60
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 tcaaacccca cgtcaaggag gccaaagtatg ccgtccgttg tgagcttgct gtcaaggccg 180
 aggagtaccg cgtgaaactg gccaatggag acaaatcggt acctttcgac agtgctcgtct 240
 ttgccaaact cggcaatccc caacagctcg accagaaaacc catcaccttc ttccgccaaag 300
 tactcagttc cctcgagaaac cctcaactgt tgaacaacac ggaagcactt cgtacatcct 360
 ttttttatga acaagatgtc gttgaccggg ccaagaagct cctcgcggtat gtccagagcg 420
 ttggtgctta cagtcacagc cagggagcgc ctgtgatccg ccaaagtatc gccaaattca 480
 ttgaggagcg tgatggatto ccggccaacc ctccaggattt gttctgctgc gctggtgctt 540
 cgtctggcgt cagcaccatt ctcaatatca tctgcaacgg cccccaagg ccggtgtcct 600
 cgtccctatt tgcgaatacc ctctttacac tgccaccctt tctctctgaa tgcgcaatgt 660
 gtaccctacc tccctcaaga gcaaagggct tggggg 695

<210> 4502
 <211> 572
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4502
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 caagtggaaa tcattgggta tcatgagta gaagttcatc ccgatattct ttccgacccc 120
 agaatcttga ttgtcgcatc tccccccac ccagcctatc ttcaaacaaag caacaagctt 180
 cttttcttag tatttgggtc gctgaagggt ctcttcagg ttgcttggtt ttggttggtc 240
 cttagcctatc gcaacgggac tgtgaagtgg ctcttctgtc agaattctcc atccattcca 300
 actctagcag tgcgactcct aaactgcttt cttcggtcaaa cgaagcctat tatcgattgg 360
 cataattttc gctactccat cctagcgctc aagcttggaa atgggtcatcc attggtcaaa 420
 ctgtcgaagt ggtacgagaa gacattcgga agatacgcga cggcacattt gtgcgtgaca 480
 acgctcagg cgtctgtcct gaagaaagaa tctctactgg aggcacttat tctaccactg 540
 catgatcggc cagccaacca tttccggccc atactcgatg ataaacgtcg acaagagttt 600
 ctcttatcct tgcccggtag tcttccgta caatcactga tcaattccgg ggcacttcgc 660
 gttctattca tt 672

<210> 4503

<211> 671
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(671)
 <223> n = A,T,C or G

<400> 4603
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 cgcgacctgt acgatgtcga cgagaagacc ctctctctcg tcgcaacgga ccgcctctcc 120
 gcgtacgatg tgatcatgga gaatggaatc cccgagaaaag gcctcctcct aactctatgc 180
 acgaaaacct gggttcaagat cctctccgac aaaatccctt ctctccgcac ccacttcttc 240
 accctcgacc tcccgccctca gatccccgag tcgttgcgtc ccgtctctca gaacagaagc 300
 atgcagggtg gcaagctgaa gatctctccc attgaggcca tegtccgccc ttacatcacc 360
 ggttccgctt ggaacgagta caagaaatcc ggcaacgtgc acgggatcaa ggctcgccgag 420
 ggtctgaggg agagcgaggc ctctccctgat ggtcctatct aactcccag taccaaggcg 480
 gagcangggc agcatgatga gaacattcat ccggatcagg ctgtcgctat tgggtggtgaa 540
 cggtatgcct ctaagatcgc ctcttttgcg ttcaacctta caagggcgct cagcagtatg 600
 cccttactcg tgggtgtgca tttgcggacc caaatttgaa gtccggttgg attccgagac 660
 tggccagggt g 671

<210> 4604
 <211> 585
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(585)
 <223> n = A,T,C or G

<400> 4604
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 ttegtctgct ctgcccctcg ggcccgtccc tetgccttcc gcgtctctct ccagcgcaga 120
 ggttacgctg aggccgtgaa cgacaagatc aagctttccc tggcccttcc tcaccagact 180
 atcttcaagt ccaccggcgt tgtccagggt aacatccccg ccgagtcagg agagatgggt 240
 gttctcgcca accacgttcc ctctattgag cagctcaagc ccggtcttgt tgaggctgtt 300
 gaggaggggt gtgtaccaca gaagtcttcc ctctccggtg gattcgccgt tgtccagccc 360
 gactcccagt tgagcatcaa cgctgttgag gggttccctc ttgaggactt cagctccgac 420
 gccgtcaaga accagatcgc cgaggcccag aagatcgcca gcggcagcgg cagtgcgcag 480
 gatategctg aggttaagat tgagctcgag gtgctcgaga cctccaggc tcacctcana 540
 taaattatct gatgtacata tccactcgcg attccagcct tgaan 585

<210> 4605
 <211> 683
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4605
 gtggcctaga actcagtgag ccacaggcca gtccatttgg ggctcgaat gtaagaatgg 60
 caagctctac cttaccaaac ccacctgtc caagaagctt tgcattgagg gtgttgggtg 120
 tgttcatgct cagaacaacc ttggcgagga gattgccatc tgccgtactg attacctgg 180
 tactgaatct gagacacatc ctctggccct tggcgacaat gagcttcagc ccttqacttg 240
 ccttgacggc gaaacctaact tcaagtggga gggcaagggt accctcgctc agtactatgt 300
 aaaccccaag ggcaccagca ccaagcaggg ctgcccagtg ggtgatgggt ccaagcctat 360
 tggtaactgg gctcccatca acctcggtgt cggtcagaac aatggcaagt ggctttctat 420
 ctccagaaac agccccacca ccagcgtgaa gctcaacttc aacattaaga tccagggtga 480
 caactcaggt ggatcttcta aatacgagaa cggcaagttc atctctgaaa ccggcagcaa 540

tgactctggt	tgcactgtcg	aagttctgtc	tggcgaagct	accttcgtct	tctactaaat	600
aacctgacga	tactgcatcg	ctgcaaacgg	gcacatctgc	tacgtgactt	ggccaccatt	660
aaccggtcg	actggcctgg	gta				683

<210> 4606
 <211> 680
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(680)
 <223> n = A,T,C or G

<400> 4606						
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caggagatta	aaacccat	ccacgaatat	ggtttggggg	gcattgtcct	tttccaaaga	120
aacatcagcg	atgcagccca	gttgcaatct	ttaaatcact	ctttacaaga	agaagcgagg	180
ctagctgggc	atgattatcc	cttattttatc	ggtattgacc	aagagaatgg	attggtcact	240
cggatttcac	ctcctattgc	cgtcctaactc	ccggggccta	tggctctcgg	agcgacctat	300
gcctcggagc	ttgctaagga	agtcggcacc	gtcacggggc	agacgctgag	actatttggg	360
atcaacatga	actatgctcc	tgtgtgcgac	attaactcag	aaacccctaaa	cccagtgtac	420
ggagtcgcga	gttttggaga	ccatcctgga	ttggtgggaa	gattggcatg	cgccactgcc	480
caaggactcc	gagaacaaaa	ggtggtaccc	agcgtcaagc	atttcccagg	gcacggagac	540
actgctgtgg	actcccatta	tggccttcct	gtcatctcta	agacgagaga	acagctagat	600
aaatgtgaat	tgagaccatt	tcgcagagct	atagctgaag	gtattgaggc	agngatgact	660
gccacattt	cgctaccttt					680

<210> 4607
 <211> 701
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(701)
 <223> n = A,T,C or G

<400> 4607						
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gcagtgaat	ttgtacagtt	acttaatcat	tatccccga	cacactat	tgttctctgt	120
cctagagtga	tatcctacga	ttatcatgga	gccctacgac	gagggattta	ttgaggagca	180
gaaagagcag	gaaqaagagc	gtactgagga	gaaagtcatt	aatgaagaat	acaaaacctg	240
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tcttacaaca	caatggctac	ctgacaagca	agaggteect	gacaagccgt	attcaactca	360
tgcactgctg	cttgggtacac	acacctcaag	tgatgcgcaa	aactatctac	agattgtctca	420
tgtgcaactt	ccccaccctt	cggtccttaa	tcgggacgac	tacgatgagg	agcgtgggga	480
aattgggtggc	tatggcggtg	gttccaaaaa	ggccccgatg	gaaatcaagt	tcaacattgt	540
ccagaagatt	gatcataaag	gcgaagttaa	caaggcgagg	tatcaacctc	aaaaccccaa	600
gggattggcc	accatgtgta	cagatgggaa	ggtgatgatt	tgngatcgct	cgaaacaccc	660
tggtctacct	acggggacag	tgaacctca	aatggagctt			701

<210> 4608
 <211> 1273
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(1273)

<223> n = A,T,C or G

<400> 4608

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cctcactccc	ccacccgagt	ttattaactc	tcattcggct	tgtatgtcaa	tattgtctga	180
tcaagagaca	ttcaaggtca	catggggatc	aaagattgag	tttttaaatgc	atcgtggcaa	240
acagcctttt	ggcagagact	tcattgtgtc	cggggatagg	cctccaaatt	ccgcctcgcg	300
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agttgacatt	gtacgagacg	ttgcaaatac	tgctcagggt	aacttctgct	caaattgtgt	480
ctcattgccc	ttgaaaactg	aatctaacc	ccgggggaatc	tttacggaat	ccgaactcta	540
ccaaatcatg	gctgttgttt	tcacctcaat	cttctacgat	gcggatcctg	cgaactcatt	600
tgaactttac	caagctgccc	gggaagtgc	gcagcagctt	gggcagttgg	caatgggtcaa	660
tgctcgagctt	gtcaacaact	ctgggttcac	tgcaaacctg	gtgagttagtt	tacaccgaca	720
tgacgtgctc	agcgaataac	gtgtccatct	gatccaaacg	ctcctgggca	qqqqactgcc	780
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cgcgcagctt	ttttcacagt	gtcttgacta	ttacctttcg	gaagaaggct	cggctccatta	900
gcctgatatc	aagatgctgg	cgaagggtga	cacgcgcgaa	accgacaaat	agctgttaag	960
atacttcatg	gaatgccgcc	cggtagagtc	ttacgtggga	ctgcctccga	tggtgaccaa	1020
ccccactgta	tttgaagaca	tgggcagacc	cttaacttca	tgcagggcac	ccattttttt	1080
gacttaggta	tccgttttta	tggcccgcaa	gtttttccaa	acctgaaaag	gaaggcttgt	1140
ttccaattgg	gactcttccc	tattttgggt	tttggcccaa	taaatgcctt	gggtttgggc	1200
ttttgaactt	acccttccc	acctgcctaa	gggatttggg	cgttgaaaaa	tttggccatc	1260
gccaaaggcc	caa					1273

<210> 4609

<211> 684

<212> DNA

<213> *Aspergillus oryzae*

<400> 4609

gacagcctg	tgcgcaagt	gacgcgagct	acctgtggag	aatgcgagtt	ttgcctcaat	60
ggggctgatg	aggtgcattg	tgagaagcag	attaacagtg	ggttttcagc	gccagggagc	120
ttccaggaat	actgtcttgt	tgatgggagg	tatacgtcaa	agataccgga	tggagtttca	180
gatgaggagg	cgggtccgat	catgtgcggg	ggcgttactg	cttacacggc	ttgtaagaga	240
tccggccgtca	aatccgggtca	atggcttgtg	ctccccggcg	ctggaggcgg	tctaggtcat	300
ctggctatcc	agtatgcgcg	cgcaatgggc	atgagggtcc	tgcctattga	tggcggagac	360
gagaagcgtg	acctttgtga	gaagctcggg	gccgaagcat	acattgattt	ccagaaattc	420
aaagccctcg	cagacctcaa	ggatgaggtc	atgcgaatca	caaagcacgg	cgcacatggc	480
gtggctcgtg	cggctgccag	taagaccgtc	tacgaatggg	cgcctatgta	cctccggcct	540
ggaggccaaa	tgggtgggtg	tggctctacct	aatgatcctt	ccattctagc	gggtgcacca	600
cgcctcgttt	tggctttgag	acgactaaat	atcgtttqga	atatcactgg	acgcttgaga	660
gattgacacg	gaacccctga	tttt				684

<210> 4610

<211> 682

<212> DNA

<213> *Aspergillus oryzae*

<400> 4610

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caatctggac	cctcgtcatg	tgcattgatg	cacagagctg	tggagtgtgc	tccaacatgc	120
acgaactgaa	gatcacgttg	taagcatgga	cggccagctg	gatgcccgaa	ttcaagaagg	180
aggatcnaac	ctgagtcnaag	gccagcgtca	gctgggtgtc	ctagcacggg	cattgttgac	240
gctagcaaat	atcttggltc	ttgatgaagc	gacagcgggc	gtggatgtgg	aaacaaatgc	300
attaactgca	cgcaccttgc	gcagtagtat	cttccaggat	cgcactatca	tactatcgc	360
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ggctgaattt	gacacaccgc	ccaatctgat	taagtcgggc	ggtaaattct	acgagctatt	480
caggaagcag	gtcttgttga	taacaaagga	catgcgctcg	tgcataatgg	cagactttta	540

ctccacagt	ggcgaaaacc	ttggagtggg	tgggcccac	cgagagaggc	ttctctataa	600
tttcggaccg	atctttctaa	tctggacct	cgatggaaac	cccgttgaaa	aataggatga	660
ccgcattctt	ggttgatctt	gg				682

<210> 4611

<211> 681

<212> DNA

<213> *Aspergillus oryzae*

<400> 4611

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tttacgaaac	catgtctgga	gaacctaatg	ccgcttgccc	tctggccgac	gagagcctca	120
cccagaacct	cctggacctt	gtgcagcagg	cttctcacta	ccgtcagctg	aagaagggag	180
caaacgaagc	gaccaagaca	ctcaatcgtg	gtacctctga	aatcgtcatc	ctcgtgcgg	240
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cgtatctctt	cgtgcaccagc	aagcttctct	tgggcggggc	gacgggtgtc	tctcgtcccg	360
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tcaaggacaa	ggttgagagg	ctcatgatct	aaggcatggg	ttatgttgtt	gaatggacga	480
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gacacaacac	ggaaatggac	catactcttt	aatacctatc	ttatacggga	aacgctatct	600
taaataatga	tgggttctcc	gttgaatatt	tattgggagc	atttttctaa	aatagacctg	660
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<210> 4612

<211> 1725

<212> DNA

<213> *Aspergillus oryzae*

<400> 4612

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tctatccatc	ggatctataa	tcgcctcctt	cacctccact	tccctttccc	cacgagaaag	180
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tcagtgtctt	cccgtcgtcg	taccggagtg	acgctgttcc	tgagcctact	cttgcacctg	360
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acgacgtttc	cgtgacgggt	gcccaccacg	cgttcggcgt	cgttgagccc	cgcagcagcg	1080
gtcgcagaag	cgcgcagacc	gtgcccattc	cctgcaactt	cattcgcctc	ggcgacatct	1140
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aggaggacat	cccagtttgt	cctcaggggc	aactcttcag	caagatcaag	gcagccttcg	1440
aggacggaca	cggcagcgtc	cgtgctctgg	tcataaacga	tgggtggtcg	gagctcgttg	1500
tggactacaa	ggttatccag	tcttcctgtc	tgtagatcat	tttcccgctt	tgatctggtc	1560
ggttcccagt	taagtcctct	atccgaacga	tcaatcacga	ctgaatgttc	tatgtctcat	1620
ggacgcgggtg	ggttggaagt	gcttggtttt	ttttgcaacg	ttttcaattt	gtatgatgga	1680
tggcccttgt	acctagcaac	gtaattttac	ggaattgggt	gatgt		1725

<210> 4613

<211> 711
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(711)
 <223> n = A,T,C or G

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<400> 4613
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gtgccggact actccctcgt tccgcattgg cgcaagacgg ccattgcctt ctcatttagc      120
tcggagtacc catgcgttct ctaccacatc ccgcggcgcg gatgtcgact tgtccactct      180
gacaccgacc ccgatcacc ttctttccga aacagagtca atgatggccg acacagtgtc      240
aaagttcgct caggagcaga ttggacctaa ggtccgagat atggatgagg cggaagccat      300
ggaacccgcc attgtcgaga agatgttcga gnaaggggtg ataatatttq aggttcccga      360
ggaatacggg ggagccggca tgaacttcac atctgccttc gtggcgattg aggnattggc      420
gagaattgac cctagtgtca gtgtcatggt cgacgtccat aacacactcg tgaacacggc      480
tattatgaaa tacgggtgat cccaggcgag acggacgtgg ttgcccaagt tggctaccgg      540
cactgtgggc tcattctgtc tgtctgagcc tgcgtctgga tcggatgcat tcgctctgca      600
aaccaaggcc gagaagcttt ccgatggata taagttgaat ggttcgaaga tgtgggatac      660
caacgccatg gagtctgggt tattcatcng cttcgctaac cttgaccca a      711
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<210> 4614
 <211> 678
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4614
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tccttatgat atcctctcca tcgtcgaaat cgttccagtc gttgacggcc ccaatgggtg      120
ggacgcagag gaagaatggc gtgacgtact ctccggtgga ctccaacagc gcctcgccat      180
ggcaaggctc ttctaccatc gacccaagtt tgccattctc gacgaatgca cttcatcggt      240
tactatggag atcgaacggg tcatgtacga gactgccaaq aggcctaggc caaccctgat      300
gaccgtatcc caccgcgcga gcctctggaa atatcacaag aagattttgc agttcgacgg      360
ccaggagggc tacatcttca caggactaga ctgggaacgg agactgaaac tagaagatga      420
gaaagaagag cttgatcttc acctccgggc tgttccagaa ttgcaaaggc gcattggctga      480
actgagtgtc tctaagcaa accttcatct ctttcatata cttttccatc ttgttccagg      540
accattccga atcagcagt ccataccctc cccttcccca tttttccctt ctacccttg      600
agacatgata tatgaagcat gctttttcaa tgttgagcat ttaagcgaat gttcaagtgt      660
acttttagtg gcaattgg      678
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<210> 4615
 <211> 578
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4615
ccgtgggtatc attgaggaga tcgagcgcc tgaacctcgtc gagcacaccg ccaagaccgg      60
tgaataacgtg tactcttqtc tccagcgcc tgcgtgagaag taccocgagc atctgcagaa      120
ccctccgtggg aaggggccagg gaaccttcat tgcctgggat acccccaagc gtgacgagtt      180
ccctggcgaag gccaaagggcg tcgggtgtcaa cattgggtgga agcggagtca gcgcggttcg      240
ccctccggccc atgctgatct tccagcagca ccattgctgat atcctcctgg agagcattga      300
gaagattatc aagcagctgt aaggaaacttg ggttgcattga ttatcatttt ccattaaatt      360
tgcattcttt tctgtttccc tgaattggca ggtccggcg ttcatatttg gtttgggtgg      420
gtctctccgt gtctgattgg cagcctatct argagttatg tcttttgaaq ctgttagcac      480
actatatata tatctatagc aaacggcgaat ctaatgccgt cccaagggtgc atcgattctg      540
catgtttgggt atcgaacaaa atccaactgt ttatcttc      578
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<210> 4616

<211> 716
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4616
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 ctatatctca tcgatatcca tctcttttca tcatatttga acttcacaca acatgtctgg 120
 acgtggcaaa ggtggttaagg gcctcggaaa ggggtggcgc aagcgtcacc gcaagatctt 180
 gcgtgacaac atccagggtg tcaccaagcc cggcatcgtc cgtctcgtc gccgtgggtg 240
 tgtcaagcgt atctccgcca tgatctacga ggagactcgt ggtgttctca agtccttcct 300
 tgagtcctgc attcgtgatg ccgttaccta caccgagcac gccaaagcgt agaccgtcac 360
 ctgcgtggac gtggtctacg cctcaagcg ccaggggcgt accctctacg gtttcgggtg 420
 ctaaagtccct cgccctcgat tccctcttgt ttctgttctc gtccgacgta caatagcggc 480
 tgcgtcaca cgaccgattc tcgctggctc gaatggaccg aggtgctgag cgcttacggg 540
 gtgatacttg ttctcaatca attttctta cggaaatctgc atcatgatta ccactgggta 600
 cggggttttg ggaaggaggg ttttgttttt ttatccagaa ggatggtatt tgcgggctt 660
 cgtacgggtt cgtttggagg gagcaatggg ttgaacttll tctagactca ttggaa 716

<210> 4617
 <211> 438
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4617
 cactggatct gttgaagaat aagtggaga gagacaacaa ctataactat atatgcatc 60
 agttcaagtc gctgcggcaa gatttgactg tgcagcacat taggaatgag tttactgtca 120
 gtgtttacga gattcacgag cgcattgctc tggagaaagg agatcttggg gagtataatc 180
 agtgtcagac tcagctgctc gcgctgtacg cacagcaact tggggggccac cctacggaat 240
 tcaaggcgta ccgtattctg tatttcatcc acaccgcgaa ttggacggcc atgaacgatg 300
 ccttgggcga tctaacagca gcagacaagc gagaccctgc tgtcaaacat gccttaaatg 360
 gtgcctcagc tcttgcgctt ggaaactacc caccgtttct ttcaacttta ccttggacac 420
 cccgaatat gggaaacct 438

<210> 4618
 <211> 674
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(674)
 <223> n = A,T,C or G

<400> 4618
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 aatcaacacc agcaaaaggc aacagcccat cgaccctac aaggccaaaa gctcgaaga 120
 cccgccccctg gccc aaaagg tccaagacct ggttgacttc atttccgagg ccaaattcgg 180
 catgctaaca accaagatcg ctggctcgga atacttaacc tcgagatgca tggcgttggc 240
 tgggaaggaa cagggcgga tcgaccttct ctccacatc aacctcttct ccagcaaaac 300
 ccttgatata aacacgaacc ccagcgaagt aaacatgtcc ttctagacc cagtttaggg 360
 atcctggggc tctatttcgg gaacggcatc gatcgttgcc gacaaggctc tcattgagaa 420
 gtattattcg ccgacgttgc cggcttggtt gggatgactt ggtgatggg ttcatgatgg 480
 cagtcctgct gatccgagga ttgggggtgat caagtggag gcgaagtgg cgacgtatgc 540
 ggtggccacg aggggtatct ttgggaaggc gattgagacg atcaagagt ctactaaggg 600
 ggtgtgccc gctatttaata gtatcccgga qttgagtga cangagtgg ctgagtggcc 660
 ccggaacgac aaat 674

<210> 4619
 <211> 702
 <212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(702)

<223> n = A,T,C or G

<400> 4619

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aggcggacgt	cctcaacaca	gtgggtctttg	ccgtgggctt	gctcgcctgg	cttcgctcca	180
agaagctcag	tggacaatgg	attgggtgta	tgattactgc	cagtcacaac	cctgcggagg	240
acaatgggtg	caagttgggt	gaccccatgg	gtgaaatgct	tgaggctgaa	tggaacacct	300
atgcgacaaa	gcttgccaat	gctccgctag	acaaaatcgc	agatggttac	gaagaactcg	360
tcaaggagat	tgatatcagc	atggaaaacc	cggctcgtgt	tggttttgcc	cgggatactc	420
gtgcctctgg	ttctcgtctt	gcgggtgttc	ttaacgctgc	gctcaccact	accgaggtta	480
actttctctg	cctgaaattc	atgaccaccc	ccagcttctc	ttatgttgtc	cgtgcnaga	540
acaccctgng	aacgcagtat	gagtacgggtg	aaccacaga	gcaaggatcc	tatgagaagc	600
tcgccaaagc	tttcaaggga	gttatgcggg	gccctcaagt	taaagggtct	tttgaccgtt	660
aattgcgcaa	atggtgttgg	cggacctaag	ctgaaaagaac	tt		702

<210> 4620

<211> 1053

<212> DNA

<213> *Aspergillus oryzae*

<400> 4620

cgagatcttg	atttcagttc	caacattggc	ggtgctgtca	ctttaactaa	gcttatcgga	60
tactgaacct	tgaatatact	ttcaagatga	tccatccacc	cgcgcagatg	atcgacttct	120
tcgataacct	caagacgaag	ccgctgcccc	tgcccaccac	gaccccgaca	tcgggtgccc	180
ccgtgcccac	cgctgtccct	ggccatgata	tcattttcca	ggagttgtcc	aagaccagcc	240
aacggacact	atgggtgggtc	gtcgtgctaa	tggtatatac	cgcctatcgt	ttctacatcc	300
tcgcctcccg	agcacctttg	accaagcgag	tcctccacaa	cctgattgcc	atctccacaa	360
caatctcctt	catcacctat	ctcgcactcg	caaccggcga	aggtataaca	tacaagcacg	420
acatcctgac	gatccacaac	aagcacgtcc	ccaacactca	tcgtgatata	taccgtcagg	480
tcctctgggt	gcggtacctc	aactgggttc	tgacaaaccc	cctggccctc	atcaatcttg	540
ccctcttgtc	cggcctcccg	ggtgcccata	tccttgtcgc	catcgtcgcg	gattggatca	600
tgctcggcac	cggcatcttg	ggcacctatg	ccggccatac	ccccgcaga	tggtctcggg	660
tcaccatcag	cgccatcggc	tacctcacga	ctgtgtacca	tattgggtgtg	aacggggggc	720
gctcggcggt	gaacaaggac	gcccagacaa	agcgattctt	cggctactgt	tcgggtgtgt	780
cgtttttgat	taaggctttg	ttccctgtag	ccatcgcggc	cggcgctcta	gcctcaaaa	840
tcggcatcga	cgcgcagacc	atcattttcg	ctatccatga	tatcttctcg	caggggtataa	900
tcggctactg	gcttattttc	gcacatgatg	cqqcacctgg	aattaccctt	ctggttgacg	960
ggttctgggt	ccatggacac	ggcaacgagg	gtgcgattcg	catcacggaa	gaagagggcg	1020
cctaaagcaa	tcatgaaaat	acgccttctg	ata			1053

<210> 4621

<211> 680

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(680)

<223> n = A,T,C or G

<400> 4621

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ctctagttga	aataaacgac	aatggctgcc	actcaaggat	acccttttct	ttgcttgagg	120
aacctctctc	tcgacatcca	agttgttggg	gatgctgctc	ttcttcagaa	gtatgggtcg	180

aaggacaacg	atgctatcct	cgctgaggac	aagcatatgg	ggctctacga	ggagcttctg	240
cagaacgatg	atgctaagtt	gattggccgt	ggcgccgccc	agaacactgc	ccgtggcgct	300
cagtacattc	tcccggacaa	ctccgttctc	tacattggat	gtgtcggccg	tgacaagtac	360
gccgatatcc	tgaaggacac	ctgcaccaag	gctgggtgtg	acaccgagta	ccgtgtggac	420
gatgcccgag	ctaccggcaa	gtgcggcggt	atcatcactg	gccacaaccg	tagcatgtgc	480
accaccttg	ctgcggctaa	cgagtacaag	ttggagcacc	ttaaagcagc	tcagatctgg	540
tctcttggtg	agaaagctca	ngtgtactat	gtcngtggct	accaccttac	cgtgtgtgtg	600
cccgtatcc	angctctttg	tgaagaagct	gcttgcaaga	acaagatctt	tatgctctct	660
cttttcngcc	ctttttatcn					680

<210> 4622

<211> 764

<212> DNA

<213> *Aspergillus oryzae*

<400> 4622

ctccgccaaac	ggatttttctt	gtgcccacac	ctcttcacaa	tggtctgctca	ggctagcgag	40
gatctgcaga	agcttgacct	aaacggccag	ggcggtgccc	ctaaagcgga	cgccccctacc	120
gcgggtcagg	cagaagccgg	agaggcagag	gacgactcgg	atgatgacgc	tgatgaagga	180
aacgctgctc	ccgaaggcgg	ggccaacgga	gccgccaaaga	aaaagaagaa	gcgcaagtct	240
aagaagaaga	agaagggcgg	tgctaagggt	cagagcgagc	ccccgcgggt	ccctctttct	300
cagctcttctg	ccggcaagca	gtaccctgag	ggcgagatcg	tcgagtacaa	agatgataat	360
ctgtaccgca	cgaccaacga	agaaaagcgt	tatctcgacc	gcatgaacaa	tgattttttg	420
caggagtatc	gtcagggtgc	tgagggtgcac	cgtcagggtcc	gtcagtatgc	gcagaagact	480
atcaagccgg	gccagacctt	gacggagatt	gctgaggggca	tcgaggaatc	agtgcgtgct	540
ttgactggcc	accaggggtct	tgaggaagggt	gacaacctca	agggtggtat	gggtttcccc	600
tgtggtctga	gcataacca	ttgggcccgt	cactacacac	ctaattgcggg	caacaagatg	660
gtgctgcagc	aaggagacgt	gatgaaagtc	gacttcgggg	cgcacatcaa	cggccgcate	720
gtcgacagtg	cttttactgg	gggcttttca	ccaagtttat	gacc		764

<210> 4623

<211> 656

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(656)

<223> n = A,T,C or G

<400> 4623

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atgcaacgccc	aatgggctct	gtgcacatcg	gatgatgtgc	tggagttctg	tgggcccag	120
togtgggaagt	ataaagatca	cattatgcag	ccgttgccag	cagggttgca	agatcagaac	180
gcagccaacc	gtcaagcagc	cgcatacggg	gtgggtgttg	ccgcgcagaa	gggtggcgct	240
gootggggcg	atttcgttgc	ggccagccta	cccagtttgt	tccaggtaac	acagtttaac	300
cagtcocgga	cggagaagaa	tgtgtttgcc	accgaaaacg	catccgccag	tattgcgaag	360
atcctgcatt	acaatgcagg	caagggtgcag	aaccacacaag	aggctcgtggc	caactggatc	420
accacctgtc	ccatcacatt	cgatgaggag	gocgctccat	atgcctactc	attcctggct	480
caatcatttg	accagaaaaa	ccccactgtc	ttgtccaaag	tgcacaaggt	gttcgggatar	540
attgtccaaag	ctctcgaggc	agagacattg	caaggacaga	ctggngcccc	gggtggccaa	600
ctgggcgaag	cagttgggtg	ctaccactgg	aactcacgca	gaccagatcc	tggtctg	656

<210> 4624

<211> 698

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (698)

<223> n = A,T,C or G

<400> 4624

tcgcgcgcgc	cgcttccaac	tcgctccgcg	ggccttcaac	cagtctgcgc	tcgcccgcct	60
tctctccacc	ttggccgctc	ttgagcagcg	tgatggcaag	ctccaggcct	catcgctctc	120
cgcgattgcg	gctgcacaga	agctaggagg	tcccgtcact	gccttcgtgg	ctggaaacgg	180
cgtaaggga	acctcggtcg	cggaggcagc	taagattaag	ggcctggata	aggtagtggc	240
cgtggacagc	gaggcttatg	agaagggtct	ccccgagaac	tacgcccctc	tcctcgttga	300
gaacatcaag	aaaggcgaat	acacccacat	cattggcggc	cactccgctt	tcggaaagag	360
tcttctgcct	cgcgtggcag	ctttgctgga	tggtcagcag	gtttccgata	tcactggaat	420
tgagagcgag	gatactttcg	tccgcccatt	ctacgcagga	aacgccattc	ttactgttca	480
gtcgagcgac	cccattaagg	tcctcaccgt	tagaggcact	gctttccaag	gtgttgagac	540
cgaaggcggc	tccgcagaag	tcgttgaggg	agttgacccc	aagtcacccg	cccagaccga	600
gtgggtttct	gaggaactcg	ccaagtctga	gcgccccgac	ctgggtactg	catccccgtg	660
tgtgtccggg	tgccgtgggt	tgaagtcnaa	ggaggaggt			698

<210> 4625

<211> 699

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (699)

<223> n = A,T,C or G

<400> 4625

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actgggatga	agagaagctg	cgcaatgtcg	tcctcagcaa	gcacggaaac	ccgaagacga	120
cgaccgataa	ggtctgcaag	ttcttcattg	aggcggtcga	gaaccagaag	tacggttggg	180
tctgggtctg	tcccaatgga	ggtgacgcct	gcaagtataa	gcacagtttg	ccccctggat	240
tcgtcctgaa	gacgaaggag	cagcgtgcgg	ctgagaaggc	cctgatggac	aagtctccac	300
tcaacacctt	gacactagag	gactggctcg	aaagtgaacg	acacaagctc	acgggcaacc	360
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aagccgaaga	acaagcccgc	aaggccaagg	aagccactgg	acgaacattg	tttgagagcg	480
gtaactggcg	tgccgaggat	gagagcancg	acgaggaggg	tgacgacgac	gatacctttc	540
aaactgcttg	cctccgcang	gagacngaga	ggatccggna	acagaangaa	gaaaagcgac	600
ttgcganget	gcattgggca	ccngtaccga	tttchnaaca	cgaaccattt	gcacangang	660
gtganggctg	ancgtggcga	tacccccccag	aaactgcan			699

<210> 4626

<211> 719

<212> DNA

<213> *Aspergillus oryzae*

<400> 4626

cgacaaaact	tctcaccoga	catcgaggac	caccccgcct	ggcaaccaca	tcaagatggg	60
ccgttaagct	gctcaggaca	ttccggccgc	taagagcgcc	cgcgcgccgg	gctcttaact	120
ggcggtcagc	ttcaagaaca	cccgctgagc	cgctcaggct	atcaacggca	tgaagctcca	180
gggtgctctt	actttccttg	acaaagctac	caacaagctc	gaggctgtcc	ccatgcggag	240
gttcgctggc	agacccggcc	gttgcgctca	gggcaagcag	ttcgggtgta	gcaaggctcg	300
ctggcccgag	aagtcgcgca	agttcctcat	cgactcctg	aagaacgctg	aggccaacgc	360
cgacaaccaag	ggtcttgaca	ctggcaacct	cgttgtcaag	cacatccagg	tcaaccaggc	420
ccccaagggc	cgcagagcna	cctaccgtgc	tcacggttgt	atcaaccctt	acatgacca	480
cccttgcac	atcgagctta	tccttactga	gggtgaggag	gttgncaga	aggggtccgt	540
tgccaaggag	gctcaactct	cctcccgctc	gcgtggcctc	caggctccgc	gtgccatcca	600
ggcataagcg	gttcatgggt	gtcgggggat	aggtagtcgg	aaaatgaatg	ggaaagccgg	660
agttttctgt	tgtacggaac	aaataccttt	ttacggaagg	aatacaaaa	aaaattttt	719

<210> 4627
 <211> 676
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4627
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 cttacttcac tcccgtcag aaccccccg ccggaacagc cgccaacccc cagaccaacg 120
 gccaaaaggt ccctaagctc ttccagccct tcaccgttcg cgggtgtcacc ttccagaacc 180
 gcctgggtct ggccccattg tgccaatact ccgcogaaga tggccacatg accgactggc 240
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 cggcgtaca accggaagga cgaatcacgc ccaggagcgt gggctctctg aaagacagcc 360
 acatcgcgcc gatgaagcgc gtcacgaat tcgtgcacag ccaggggccag aagatcgggtg 420
 tqcagatcgc tcacgcaggg cgcaaggcca gtaccattcc gccgtggatg tcgggcgctg 480
 tcgtcgcctc cgagcaagcg ggcggatggc ccgagaatgt caagggccct agcgatatcc 540
 ccttcgctga ctggttcccc aaagcccaagg ccattgacga ggttgatatt gacgaatcta 600
 agaacgcttg ggccggcggt tgaaagcggg ctattgctgc gggcgcgga tttattgaga 660
 ttaataaagc ccattg 676

<210> 4628
 <211> 716
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4628
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 ttgtatttga gagatggaa tgcgtgttct atgattgtct accaatgctt ccaagccatt 120
 gaactttttg gcttggatat ggagggcatt taaccgacttt ctggaagtgc gaatcatatc 180
 aaccagatga aacaaatttt cgacaatgat tcgtcgcagg tggacttcac aaatccggaa 240
 aacttctatc atgacgtgaa cagtgttgcg ggattactca agcagttctt tagagatttg 300
 cctgaacctc tgttcacgtc gcagtcctat accgacttca tcaatgcagg ccgcattgac 360
 gatgatgttc agcgtcgaga ctgcgttcat gcgcttgtaa ataattctcc agatgcgcac 420
 tacgccacgt tgagagcctt gggtctgcac ctcaataagg tgcaagaaca ttacacccaa 480
 aaccgtatga acgcaggaaa cattgccatc tgtttcgggc ctactcttat gggcgccagt 540
 tccggcgcca acgtcgcga cgtcgggttg caagtccgtg ttatagagac ggttattttt 600
 gacactttcc aaatcttcga cgatgattaa tttacgcctc gagaacaaaa aggccatgat 660
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<210> 4629
 <211> 852
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)... (852)
 <223> n = A,T,C or G

<400> 4629
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 ttgcagcctt ctggattatc ttcaatctcg gggggggcat tggttccttg gccagtttgc 180
 gtatgaatta ccaactcaacg agtggaaacg ttctggacgg caagttacatc ggttlyctca 240
 ttatcatggc cactggatgg ctcatggggg ctctgatttg ccggccgaaa tcagtgcgag 300
 tctcactctc gcaaacacac ccgagagacg aaaagaattg gctccacgtc gcgaagctca 360
 ccgtgaaaaa ggtttgtgac tggagagtga tctccatact ccgctatann ttttgcgcga 420
 atgtattcta ctcgtatcag caaaacaccc tcaacgggaat gacattcaac atccggtccc 480
 gctccttgaa cgggtgccttg tactggatcg cacagatgtt cggcgggact atcatgggct 540
 tcttgcgtga tgcctctgg ctgaatcgtc aatggcgggc tcgacttaac tgggctatcc 600
 ctatttgctca cgggggatgg gatctggggg ggaagatacg cgtttcaact ctggtacgat 660

cgtcgcgtgg	gcgaggggcc	agaaagcaga	tgtcgacttc	actggtagca	gcattcttct	720
tggggccatg	ttctctacat	tctctatggc	atgtacgatg	cttctctggc	gocgtcttct	780
tactgggtga	aggccgctca	gccgacattt	tccgggtggc	ccgcattcct	tggggggcgg	840
tcaaaaaacct	tc					852

<210> 4630

<211> 696

<212> DNA

<213> *Aspergillus oryzae*

<400> 4630

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cgcaagcaac	catcgccctc	tttgccggaa	agctcctcaa	gtcagccat	gccgccacct	180
ccaccgctg	cgaaatgtcc	ttcaacctct	acctgccgcc	ccaggccatc	cagaacctct	240
cgcagaaagt	ccccgtctct	atctacctgt	ccgggtctac	ctcaccgcc	aacaattgct	300
ccgagaaggg	cttcttccag	cacggcgcca	gcaagaaggg	tattgocgtg	ttgtaacctg	360
acaccagccc	gagaggttg	aacatccagg	gtgaggacga	ctcctgggac	ttcggtaccg	420
gtgccggatt	ctacgtcgat	gccaccaagg	acccctacaa	gggtggatac	aacatgtaca	480
cctatgtgac	ggaggagctg	cccaagaccg	tctttgccgc	gttccccag	ctagatgaga	540
gccgtgtcag	tatcaccggt	cacagcatgg	gtgggtcatg	tgctttgact	ctgttctctc	600
gcaaccccg	caagtacaag	tccgtctccg	cctttgcacc	catctccaac	cccatcaact	660
gcccatgggg	ccagaaggcc	tttgccggct	actttg			696

<210> 4631

<211> 532

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(532)

<223> n = A,T,C or G

<400> 4631

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ccgttctttt	ctcgccctaat	caaagacctt	gatatcttaa	ttcttgatga	agcgacttct	180
gctcttgacg	cagaatctga	gacttttagt	aacagtgtct	tggctgcttt	gctccgcggg	240
aacaacacga	caatcagcat	tgcccatcga	ctctctacca	tcaagcggtc	cgatactatc	300
atcgtctctg	gccccgacgg	taaggttgcc	gaacaagggt	cgtacgaaga	gctcagctct	360
cgtcctgacg	gtgccttcc	gaagttgatg	gaatggcaaa	tgagcgggtg	cgatgtctct	420
cagcctccaa	agggacgctc	tatcagccnt	ttgacccaag	aaaaatgtgg	cagatggaag	480
agagcaggag	ggtgcgctga	ggagcagcct	ctgacaagcg	agcagcgaag	aa	532

<210> 4632

<211> 658

<212> DNA

<213> *Aspergillus oryzae*

<400> 4632

gaaggacctc	tgacgtccaa	tctgcaattg	attggatttc	tttgttatat	atctttttcc	60
ctttccatta	accatgtctg	ctaccctcag	agtcgccagc	cylaaggctg	cttcgcgtga	120
cgctaaactg	cgcaccgtcg	tcgttggtgc	cagacatgcc	tcggcctggg	ccaacgtccc	180
tcagggtctc	ccggatctca	tcttgggtat	cacccagggc	ttcaaggccg	attcttttcaa	240
ggagaagatc	aacctgggtg	ttggcgctta	ccgtgatgac	aagggcaagc	cylaagttct	300
gocctccggt	cgcgcgcgag	aggacaagg	tgctgcctcc	cgctttgaca	aggagtacgc	360
tggtatcacc	ggtgtccctt	ctttcaccaa	ggccgctgct	gagctggcct	atggcaagga	420
ctcccttgc	atcaaggagg	accgcctcgt	catcaccag	tccatctctg	gtaccggtgc	480
cctgagaatc	ggcgggtgct	tcttgcagcg	cttctatccc	cacgcgaaga	agatctacct	540

ccctaaccct	atctggggcca	accacaacgc	tgtcttttcaa	ggactctcgg	cttggaggtt	600
gagaagtacc	gttactacaa	caaggacacc	attgggtcttg	actttcaagg	gtctgaat	658

<210> 4633

<211> 642

<212> DNA

<213> *Aspergillus oryzae*

<400> 4633

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tagcatgacc	caggatgctc	aatctgctct	tgcacgcaca	atggaaacct	acagcaagat	120
cacacgtttc	tgtcttggtt	gcaactacgt	cactcgaatt	attgaaccac	tggccagtcg	180
atgcagcaag	ttccggtttc	aaccgctgga	taactcggct	gcagggtgaca	gacttgcaca	240
aattgcgaaa	ttggagaacc	tggagttgga	ggatgggtgc	gttgacaaac	tgattcagtg	300
cagtgatggg	gacttgcgac	gcgcgatcac	atacatgcaa	agtggagcta	ggctagtagg	360
agccactggg	aacagcggta	gacaggatgg	aggggaagac	gttgaaatda	caqatgctag	420
ctcacaagtg	attactgtga	ggatggtaga	agagattgct	ggcgtgatcc	caqagagtgt	480
tctagaccag	tttgggtcaa	ctatgcaacc	aaagaagatc	ggttcctcct	accatgccgt	540
ctcgaaggta	actactgata	tttgtgcgga	tgggtggagt	gcgacgcaat	tgcttgcaca	600
gctttaccgt	caagttgggt	acaatgacgc	ccatccctga	tt		642

<210> 4634

<211> 696

<212> DNA

<213> *Aspergillus oryzae*

<400> 4634

cggtacaaaa	atgcttgccct	ctctgcttgg	accgctcgca	ttctttgcta	gtcgtgctgc	60
cgccacaata	ttgtatgctg	gtgtcgacga	gtctggaggc	gagtttggtg	tctatggagc	120
ttaaaggtcaa	ggcctccccg	gacgcttcaa	tgctgactac	gcatttttga	acgcttcaac	180
tgtgccaatt	ttgggtgaagc	agaacgggat	caacgtcttc	cgctcgcat	tcctccttga	240
acgtttgtgc	cccctcgagt	acggcctcgg	atcccgtttc	aacgagactt	acttctcgga	300
atacgcgact	gccattaacg	cgatcacctc	ggctgggtgc	tacgcactca	ttgaccacac	360
caactacatg	cgctacaacg	accgctcttc	tcagcctggt	tcgggtctta	ttatcggcga	420
cacaacggat	cccgcggctg	ccactactgc	ccagtttggt	aagtctctgg	ctgcattggc	480
cgctcgattc	ctgtttcaacg	agcgagttat	tttcggactg	atgaacgagc	cacacgatat	540
gtccacagct	cttattcttc	agaataacca	ggcagcggtg	aatgggtatt	gtggtgtagg	600
tgcccaccag	ctgattcttg	cgcttggaac	tgggttacac	ggcggacata	cttggaccgt	660
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<210> 4635

<211> 589

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 4635

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cctaaacctat	ccgacaatgt	ggatacactc	ctagatttagc	cctctacagc	ggcatactga	120
aggaagtcat	ggaatacttt	tggtctgggt	ctcacagaga	tcaagacatt	gcaacttgaa	180
acatgtgttc	tccagctgac	atctacqaac	ccactgtggc	cgctaccggc	cataaaaagg	240
aatgtcgggg	atgctgagac	cgcctccggg	gagggagctg	ctcagaccaa	gctgttgagc	300
cataccgggtg	gcaactgaga	cgagtgaag	gtcgcctcta	tccgcgaaag	ccaggtctct	360
cgtgccatga	ccagacgtta	ctttgaggac	ctggacaaag	acgctgaaag	tgacgaagac	420
attgttggtg	ctgggtctctg	cggtctgagc	actgcgtacg	tcttggtcaa	ggctcgtccg	480
gacctgaaga	ttgctatcgt	cgaagccacc	gtcttttctt	gtggccgggc	ctggatgggt	540

ggccactctt ttgtggtatg gcatgcgccg cctgcgaaac gctacttan

589

<210> 4636

<211> 866

<212> DNA

<213> *Aspergillus oryzae*

<400> 4636

atgggatg	gatggatg	ccgatgaaga	tgatggtacg	gttctggatt	attccgcacc	60
tgctgatggc	gacgaagcag	ctgctccggc	cgtggaagct	gttgcacagg	attcctgggg	120
ccacagaact	gggaaaggac	agttcgttct	gaaagacttg	ggtgatgaag	tccattctat	180
cttgagagaat	gcggaacagt	aaaaagcgaa	gaacagggcc	accggaatcg	ttggctcagg	240
attcaatgct	atcgggtggc	ttttccgcaa	catcgtgggt	gggaagggtcc	tgaccgaatc	300
cgattttggag	aagccccctga	aggccatgga	ggaccatctt	ctgaagaaaa	acgtggcgcg	360
tgaagcagca	gtccgcctat	gtgacggtgt	gcagcgggaa	cttgtcggaa	agaaaacagg	420
aaactttcaa	agtgtggatg	ctgcattgca	ccaaacccatg	gagtcgtctt	tqcggaagat	480
autcaccctt	acatcttctg	tgatctgct	tctgtgagatt	gatacagtna	catctcccac	540
aagtaaacag	cagtctcccc	gcccttatgt	catctccata	gttggagtta	acggcggttg	600
aaaatcgacc	aatttgggca	agatttgcta	cttcctgttg	caaaacaact	atcgtgtcct	660
gattgcagca	tgcgatactt	tccgcttttg	cgcggtcgag	caacttcgtg	tgacgcgcc	720
gaacttgga	agaactcaat	gcccgtgaaa	atgtggggca	gtttaactgt	attaataggg	780
atatggcaag	gatgcaacca	atgtggccaa	agatgctgtt	gaatcggagc	ttccacaagt	840
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<210> 4637

<211> 665

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(665)

<223> n = A,T,C or G

<400> 4637

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gcggttctcg	gatgagctcg	gtcaccgtga	ttatgtctcg	ggccagatgt	ggaaggagaa	120
ggagaagggc	aagtggccca	ttcgctctgt	cctgaacagc	aaggcatcca	acgttttgga	180
cttccacacc	cgtoactact	ctggccgttg	tctcatgaag	aagatctccg	gcaaggagtt	240
ggctaaggag	atcggctgcg	gcgaggcggc	tcttcagaag	accttccagg	aatacaatgc	300
cattgctgag	ggcaagcaga	aggatccttg	gggcaagcgt	ttcttccaca	acctgccctt	360
cgacatcaac	gacaccttcc	acgtggctct	gatggagcct	gtcctgcact	tcaccatggg	420
tggtatcgag	atcaacgagc	acgccgaggt	tctgaactcg	gagaagaacc	ttttgagggg	480
ctctatgctt	gtggtgagct	cgctggtggt	gtccacgggt	gcaaacgtct	cggtggttct	540
tctctcctgg	gatgtgttgt	ctacggtcgc	gttgctgggt	acagcgcaaa	gcagcaactc	600
ttccagaagc	tggtctctgg	cggtgcttcc	agcgtctgct	agcgtctggg	caagatctct	660
ctgan						665

<210> 4638

<211> 635

<212> DNA

<213> *Aspergillus oryzae*

<400> 4638

ctgtgctctt	ttctccactt	cctatcctcg	tacattacaa	ttcaaaatgg	cttccaagac	60
ctggtttgat	ggccttaaga	ggctcttctg	cgatgttctc	ggtggcgcaq	acaactccat	120
ttctaccacc	gagttctctg	aagcctccga	atccctcact	actttgttct	atgtgctcgg	180
ctccgtgggt	ttcactcccc	tcaagaacga	cctacttgga	aatgtcaaga	aactcagaga	240
ccggcagctg	gctgcccttg	ctgagtctga	gactgttcag	tctctttcag	tgaacgaact	300
qaagaccaag	aagcacaccg	cctctgaagg	tctactctgg	cttggttaggg	gccttgactt	360

cactgccc	aa	gccctccg	gccacgtc	ga	caagaccg	gt	gaggagct	ccagctcct	420
ccgtgaag	cc	tacgggtg	ta	ccctcagc	aa	gcaccaca	at	ttcattgt	480
gga	cc	gtaggtg	ctg	gtcttaaa	ac	cagaattt	ttt	acaagccct	535
gc	ctt								

<210> 4639
 <211> 678
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(678)
 <223> n = A,T,C or G

<400> 4639									
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ctactttg	gt	ttcttaa	aac	agcactgg	gt	ccaagg	gag	cc	120
caaccga	atct	gttgat	agcg	tctaca	atgg	cttttc	cgca	acaggt	180
cgatgtac	gc	gggtac	ctg	aggata	tcgc	atacgt	gctt	gactct	240
cctagtgt	at	ggcgat	cg	gg		cccctg	gaac	ggaggag	300
gaaggtgg	ag	tactcg	gat	gc	ccaagt	ccgctc	tcgc	ggttac	360
caatgcct	ca	tatgtag	gtg	gcttggt	gcg	acagtac	gga	aacttct	420
tttcgaag	cg	ggatcat	gag	tgccggc	ata	tcagcct	gaa	acggcgt	480
ccgagcatt	g	ttcaac	agag	acattgc	gac	gggcaag	gtc	tcaatcg	540
ctactcc	act	cacggg	ccct	ctttaac	ttg	gaacgt	cacc	aacacg	600
tgcaccc	act	tgctac	attc	tcgagt	tggg	cagcact	ttgc	acgaaag	660
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cgag									

<210> 4640
 <211> 649
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

<400> 4640									
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acgatgac	tt	cggtgg	tcac	ggtcact	cg	atgag	atcct	cgacgg	180
tgaaccgt	ga	aatgcc	attg	atcgagg	gcc	gcgact	ggag	agatcg	240
gtatcg	gcg	acccgt	cgga	tccgg	aaaaa	cagctc	ta	gtcgc	300
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aattctc	caa	ccgcc	acaaa	gccctc	gcgt	ccaag	cgcat	tcgcgc	420
gctgccc	gca	tgccg	ccgtg	cgtgag	gaca	tcagc	gccaa	cctcct	480
tcacaag	ca	gttcc	agacg	gatctc	ctcc	taatc	gagtc	tggggt	540
ncaattac	tc	gcgcc	aaact	ggttg	atttc	aatat	ctaag	gtattt	600
ggaat	aaag	gcccc	ggaa	aggtg	gggc	cgaaa	aatac	ggaaac	649
gga									

<210> 4641
 <211> 680
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4641									
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cctggac	acc	agagag	gggc	agatgt	tctt	tgtgg	cttta	ttcagg	120
ttctgt	ctcc	acatttt	tcac	tgtgtc	tgt	tcaca	agca	tatgag	180
caag									

tcttcaagtc	tttgccgagc	ttgaaatgac	tgtcaataat	ctgatccaaa	tcgataagct	240
ggtccagctg	ttggagtctc	ctgtcttcac	ctatctccga	cttcaactgc	ttgaaccaga	300
aagttatcca	tatctctaca	aatgcctcta	cgggtgctctc	atgcttcttc	cacagagctc	360
tgccttcgcg	gctctaaaga	atcgttttaa	cagtggttagc	aacattggcc	ttctccatac	420
acctcgactt	tccacgatgg	tttcagcctc	cggctcaggc	gcctacgac	gctcgacagg	480
cagccgctcc	aaacgcgaag	agaactccat	ccgctgggtc	gaactacttg	aaaaattcaa	540
aaccgtacag	gaaagggccc	gccgagccct	acgtgcaaga	gagcgtccct	tcgacgatgg	600
cgtggccggc	ttccagggtc	aatcgttage	tgcgcgcttc	tctgctgcaa	accaagcgcg	660
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<210> 4642

<211> 695

<212> DNA

<213> *Aspergillus oryzae*

<400> 1612

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gttgctgcgt	tgaagtatta	tttcgggtgt	gcccgaatag	gatcggagcg	gttgatgcac	180
tctaaggttg	tgatggtcac	gggtggaaca	tcaggaatag	gagccagcgt	cgtccacgaa	240
cttgccctctc	gcggtgcccc	ggtcatectc	ctcacaaagc	atgccccctc	ggacgtcttc	300
ctgggttgatt	atatacgagga	tatccgaaag	tcaacgaaaa	accaactcat	ctacgccgag	360
caggtagatc	tgtcctcgct	gcactcaatc	cgcacattcg	caacaaaatg	gatcgataac	420
gtccccccgc	gccgactaga	catggtcata	ctgtgtggaa	acacagccgc	accttcattc	480
gccagccgaa	agctgaccgc	agacgggctc	gacgaagaat	ggcaagtga	ttatctcgcc	540
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tgcgggtttt	tttcaccacc	tgttcgatct	acattggagc	caaaattgcc	ccttagccaa	660
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<210> 4643

<211> 640

<212> DNA

<213> *Aspergillus oryzae*

<400> 4643

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ccgagccgat	aacattgtca	gagattgtga	agccgttcgc	cgttgcccta	ccgtggacta	180
tcccgaagat	aaacgtaaat	ggagtattat	cggccagagt	ttcgggtggt	tctgcgctgt	240
gacgtatctt	tctatattcc	cagaggggtt	agcggaaagc	tttatttgcg	gcggattgcc	300
tctctctgtc	aatgatectg	accaggtcta	tgcacggaca	tacccaaaagc	tggaggagcg	360
aaacaagggc	tattactcca	agttccctga	agatgttgag	agagtcaaga	gaatcatgca	420
ctatctcgag	gagaacgatg	tttttggtcc	gtccqggaga	ctgacaccgc	cgagattcca	480
gcaattgggt	ctgatatttg	gcattgcacc	tggccttgat	agtattcacg	aacttggctc	540
gcgcgcctgg	aaagaactcg	agaacttggg	cgttctgact	aatactaagc	gcatttcaat	600
cgatgcccac	gtgggtttta	tagggctggt	aattatgccc			640

<210> 4644

<211> 566

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(566)

<223> n = A,T,C or G

<400> 4644

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cattggcatg	ggccqttggt	qaaaaccata	ataaactgca	ttgctaattt	cgtgctttta	120

atcatcaata	atcctgactt	tagccgatac	gcagccaagc	caaacgatgc	ggtatggcca	180
caactgatca	cgattccggt	aggctttgct	gtaacctcgt	ttatcggaat	catgggttact	240
tcatacctcgt	cggtgatctt	cggccaaagcg	gtctggaacc	ctctcactct	gctaggaatg	300
ttcttggagg	atgccagttc	ggcggaacgg	ttcggcgtgt	tcgttattgc	cgctggcttt	360
gcattggctc	agctgggaac	aaatattgca	gccaactccg	tatccgctgg	aaccaatctc	420
tcggccttac	tccttaggtt	ttgcaccatc	cgccgaggag	cctatgtgtg	tgcagctatt	480
ggcctcgca	tgtgcccggtg	gaacctcgga	accttcttca	caaaatcacc	gagtacctgg	540
catccattaa	ggtttctttt	ctcaag				566

<210> 4645

<211> 693

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(693)

<223> n = A,T,C or G

<400> 4645						
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ccgagcatat	gccgcggggc	aaagaggatt	tctatcccga	agagatcgaa	gcaggcaaca	180
ctgagacgag	cctggttgoc	aacgaagccg	catactttca	agaagcgcaa	cggtgcgcg	240
agaagtatgc	agaccaaata	aagatcctga	ttgggttcga	aatcgactgg	atcgtccgg	300
aatcccgcac	gctcatcgag	gcgtctctgg	cgcgtcaccc	cttcgagttc	ttcatgggct	360
ccgtccacca	cacgctgacg	atccccatcg	actacgaccg	ggagatgtac	gtacaggcgc	420
gggatctggc	cggcgggcacg	gacgagcagc	tcttccaagt	gtactttgac	gagcagtacc	480
aaatgctgca	acagttgaag	cccgtgtcg	tgggtcatth	cgatctgata	ccggtgaaga	540
gtgacgaccc	cgagccgagc	tttaccacgt	ggcctgcggt	ttgggagcgt	atcctgcccga	600
atcttgactc	cntcgogtca	tacgcgggac	tgcttgagtt	taactccggt	gcgctcccga	660
aaggcatgaa	ccaaccgtat	tctaaagcgg	gan			693

<210> 4646

<211> 670

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(670)

<223> n = A,T,C or G

<400> 4646						
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tgtactcaat	ttgaattatc	acctaaccct	tggtcgatat	tgagatactc	cttacaagat	120
gatgtctttc	atgggtcacc	aacctcagag	ccaggccgct	ggctacacct	tctctcaacc	180
aacaaacgoc	ccgaacaaag	aacactcatt	ttaccogtac	actgacaacg	gtggctccac	240
tttgggtatc	acaggtgctg	acttcgctat	ccttgctgga	gacactcggt	cggtggcagg	300
gcataacatc	aaetctcgct	atgctcctaa	ggttttttaa	attggcggtg	atgatgatac	360
ttggcgagggt	gcccataatta	ttctgtcggt	cgtgggcttc	gctgcggatg	gtcaagcact	420
caaagaaaga	ttagacgcag	tgggtgaagat	gtacaagtat	caacacggga	agcccatgct	480
tgtcagagca	tgcgctcagc	gattgtcgac	tattctctac	cagaagcggt	tcttccccta	540
ttatgtgcca	tgetatctgg	ccngtttgga	tgaagagggc	aaagagcggt	gtacagctac	600
gatccggtag	gctcatacga	aagagagcag	tgcaaaacgg	ccgggatctg	ccgcagtttg	660
atcatgocgt						670

<210> 4647

<211> 768

<212> DNA

<213> Aspergillus oryzae

<400> 4647

ccccctctccc	accgatatcc	ctccaattca	cacttcaaaa	tggccgcccc	cagcgccgct	60
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tctctccagg	ctttcaagaa	gaggaaccgac	gatgcccgtc	gcaagggttc	gcttctgtcc	180
gaacagcccc	agaccatcga	cttcgcccac	taccgcaagg	tcctgaagaa	ccaggccatt	240
gtcgacgaga	tcgagaacca	gttcaagacc	ttcaagcccc	ccacctacga	tgtttccccg	300
cagctgaagg	ctatcgaggc	tttcgaggcc	caggctgttc	agagcgctga	ggagaccaag	360
ggcaagggtg	aggccgagct	ccgcagcctt	gagaagaccc	tcgagaacat	cgagaccgcc	420
cggccattcg	atgagctcac	tgtggatgag	gttgcctctg	cccagcccga	gattgatgag	480
aagaccgcct	ctatggtcag	caagggccgc	tggatgcccg	ctggttacaa	ggagcgcttc	540
ggcgatatgt	ctggtgtcta	aactatcagc	attatctgtc	attttacgcc	tcttttctcc	600
ttcgaccagt	atcatcacac	gatgggattt	tcttttgtca	agcatgttta	ccagctagga	660
taccctttgc	gcctggcagt	gtgaacttgg	ttgtgggacg	tgtatagaaa	caatgtgcaa	720
tttacaagat	ggttttctgc	cttgaaaaaa	aaaaaaaaaa	aaaattcc		768

<210> 4648

<211> 664

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(664)

<223> n = A,T,C or G

<400> 4648

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atztatgccc	ctccttttct	ttgcggatac	ttctctcatt	tccttaacac	tctttactct	120
cctctcaact	gcagtcgctc	ttctcattaa	gogcaatctc	tacacacaat	aatcacaaatg	180
gcttctccca	ccgtcaagct	gaacagcgga	catgacatgc	ccctcgtggg	ttttggcctc	240
tggaaggtaa	acaacgagac	atgcgcggac	cagggtttacg	aggccatcaa	ggcaggatat	300
cgtctctttg	acggcgcgat	cgactacggc	aacgaagtgc	aatgcggcca	gggtgtcgcc	360
cgcgccatca	aggagggcat	cgtcaagcgc	gaggaactct	tcattgtttc	caagctgtgg	420
aatagtttcc	acgagggcga	ccgcgtcgag	cccatctgcc	gcaagcagct	ggctgactgg	480
ggcgctcgatt	acttcgacct	gtacatcggt	cacttccccg	ttgcgctgaa	gtacgtcgac	540
cccgctgtcc	gctacccccc	gggatggaac	tcggagagcg	gcaagatcga	attcagcaac	600
gccaccatcc	aggagacctg	nacngcgatg	gagtcgctgg	tggacaagaa	gctcgcctcg	660
acat						664

<210> 4649

<211> 644

<212> DNA

<213> Aspergillus oryzae

<400> 4649

ggtgatgtca	tcattctgt	cctctctttt	gtcgaggaga	atattcgtaa	tgaagactgg	60
cgtcgcagag	acgctgcagt	tgcggcattc	ggtgccatca	tggatggacc	ggatcctaag	120
gttcttgaac	ccctgggtcaa	gcagggcctc	gggtttcttg	ttggtatgat	ggaagatagt	180
tcatttcaag	ttcgtgattc	ggcagcctat	gccccttggtc	gcgtgtgcga	cttctgctct	240
gagaccctgg	accccgacgt	gcattctacaa	ccctctattt	cttgccctgtt	caacgggctt	300
gctagcacc	ctaagattgc	cagctcctgc	tgttgggctc	tgatgaacgt	tgcgcacga	360
tttgccgggtg	acgtttgggtg	gcagactaac	cccttatcaa	agcactttga	agagagggtt	420
aagtcgcttc	ttactctttc	tgagaaqcca	gatgcagaca	accaacttcg	gactgctgga	480
tatgaagttc	ttaatctcct	cggtacccaa	tggggcgaaa	cgacagctctg	gcrtatgggtg	540
gctagccctc	ttcgacgggt	gggattttaac	gcctggagca	caccatcccc	atgcaacagc	600
aagtcgttaa	tgtggaagat	cggatcaccc	tggaagaagg	tgcc		644

<210> 4650

<211> 596
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(596)
 <223> n = A,T,C or G

<400> 4650
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 ttttcaacat ctcgtttctg aaacagggttg tatccccgtc acaatgcaag ccgtcccggga 120
 gtcgcgacag cagacctttg aggaaatcta cggctcctccg gagaatttcc tcgagattga 180
 ggtccgaaac ccccagaccc acggcacatc ccggaacatg tacacctcgt acgaaatcgt 240
 ctgtcgcacc aacatccccg cattcaagct caagcaactcc gtcgtgcgcc gccgctactc 300
 cgaattttgaa tacttccggg atatacctgga gcgcgagagg accaaqqtga ctatcccqcc 360
 gctgcgcggg aagggtgttta cgaatcgggtt cagtgacgat gtcacgcagc accgcaggga 420
 ggggttgtag cggttcttgc aaattgtttg cggtcacccg ctlttgcaaa cagggagtaa 480
 ggttttggcg agctttatac aggatccgaa ctgtgaaccg catgctnggt anaagttggt 540
 tggtttgggg ggtggatcgt cattgacatg aagggtttgc ttcagctgtg ctgttt 596

<210> 4651
 <211> 293
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4651
 gagagcgttc ggacgaggca tggatcatgcc caatctgtac ggcggaattc tttctaattgt 60
 cgggtcagcc cttgtttggg gccccaggcgt tgtccctggc tgcaacatgg gtcgcgacgt 120
 tgcgttatct gaacccggct gccgtcatgt cgggctcgat atcaagggca aggaccaggc 180
 gaacccctagt gctatgattc tctccgggtc tatgcttctg cggcacctcg gcttggatga 240
 tcacgcaaac agaatctcca aggctgtgtg cgatgtcatt ggtgaaggta aaa 293

<210> 4652
 <211> 683
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 4652
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 taagcctatg cttgctaagc caacgaaatc catcaccgaa gtgcttgacc gttttgaagg 120
 aaaggagttt acgtgcgagt ataagtacga cggggagaga gcacagattc actacgttgc 180
 accagacgca accacaaact atccggaagc acaacacacg ttacagaagg atggcaaagg 240
 cctcgctgag attttttctc gtaactcaga agacctgtcg aagaaataac ctgatgtgct 300
 ggttaagctc gacagttgga tcaaggatgg tgttaagagc tttgtcttgg actgcgagac 360
 tgttgcttgg gatacgggtg acaagaaggt tctgcccctc cagcagctga tgaactgcaa 420
 acgcaaaagc gtaaggctg aagacgtcaa ggttaaagtt tgtgtattcg cctttgacct 480
 ctatttctg aacggagagc ctactgtcaa gaaatcactt cgcgaacgac gagaactttt 540
 acatgaatca tncacgggtt cgggaaggga gtttcagttc gctcagttcg gtaacaccaa 600
 gtaactggat gaqattcagg agttgcttga cgacagtgtc aaggcatcct gcgaaggctc 660
 aatggttaag atgttggaca ogn 683

<210> 4653
 <211> 684
 <212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(684)

<223> n = A,T,C or G

<400> 4653

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cggatgggct	tcattccagga	gtttggcgct	ttgtactttg	tgggaatgct	tcaaaacatc	120
gccatctacc	ccaacgaacg	cgatgtgttc	taccgcgagg	aggccgacca	ttgttactcg	180
gctgagacat	tcatactgca	gtacaccacg	ctggaggtgc	ccttcgagat	actgtcgtcc	240
ctcatcttcg	gcgtcctggc	cgcatacgcg	gataacctcg	ggcgcagtcg	cacgatgttc	300
cttatcaccg	cgtacaactg	tttctgcate	gtcagctgcg	gtgagtcgct	gggcatcatg	360
ttctgcacgc	tcttctcgca	cgttgggttc	gccgtcaacg	tgacgtcaat	cttgcctctcc	420
atggcgaaca	tcttlangcgg	tgttatgagc	ttgaagctca	acgaggttct	ccaadgactt	480
aatcacctct	cgcccgtaaa	atatgcgcgc	gcaaacctgg	cgcctatgca	tatggcggac	540
caggagttcg	tgtgtacggc	agcgcagcga	ttggcggatg	gaagctgtcc	aatccagaac	600
ggacagcagg	tgctccgact	ctacacctcg	acaagaacgg	ggcgatcaat	gtaatggcnc	660
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<210> 4654

<211> 694

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(694)

<223> n = A,T,C or G

<400> 4654

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gagaagtctc	aacgtctcta	taacgagcaa	gggtttattc	ccgaggaaga	aagggaggta	180
ttctgggagt	atctgcggcg	agacctcccc	aacagtttcc	gctttacagg	atcacgagga	240
catgccctcg	cggttcagga	gcgcctcaaa	gaattctata	ttcccgaat	cacgtcgatt	300
aagtatgagg	gcaacttcgt	cgagccaccg	cgcctgggtg	cctggtaccc	tgaccagctc	360
gcgtggctga	tgacgacccc	gaagcagggt	gttcgacgct	ttgctccggt	cgccaatttc	420
cagaagtctc	tcgtcgccga	gacagctgtc	ggaagtatca	gccggcagga	ggttgtcagc	480
atgattcctc	cgctcttgct	tgatgtgaaa	cctggcatga	ctgtgttgga	catgtgcgct	540
gcccggggta	gcaaactctg	acagcttatg	gagatgatcc	acgctggaga	ggaagagtcg	600
atgtcccgag	ctttcccaaa	agtgaaggag	ggaaccgctt	gtccccaagc	tttgggacct	660
gaggggtctta	acaacnatgg	tagaaccacc	ggct			694

<210> 4655

<211> 663

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(663)

<223> n = A,T,C or G

<400> 4655

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cgtggagagg	ctcgatcgcc	cgagcgctta	ctacctggga	aagaacaaga	agcgcaagta	180
cagccaagat	qacgcggaca	aggttgcaga	agatccaacc	gacaacttaa	aaaatgctac	240

cactctttat	gtcggtaatc	tttctttcta	cacaacagag	gaacagattc	atgaactttt	300
ctcaaaatgt	ggagaagtta	aacggcttgt	gatgggactc	gaccgattta	cgaagacacc	360
ctgtggcttc	tgcttcgctg	agtattacac	acatcaagat	gcgttggatt	gcttganata	420
cgttgggtggc	accaagctcg	atgagagaa	tatccggacg	ggatctgacc	ctggttncga	480
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agagtacgaa	cccggacgtg	gcggttatgg	acgggctatt	canatgatca	nagacaacgg	600
ggagaaaaan	aattaccgta	ngggttaggt	attaatgatt	gggaccttgt	gtgaatgggc	660
ccc						663

<210> 4656

<211> 677

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(677)

<223> n = A,T,C or G

<400> 4656

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accggcaagg	actttgtcct	ggtggcagcg	tccaaagccg	ccatgagggg	cccaactatt	180
cttaaagccg	aagacgataa	gacacggcag	ctcaacaaac	acagtctgat	ggctttctca	240
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acgatgcgga	atgataccga	acttgaccg	aacgccgttg	ccaactttgt	ccgngagaa	360
ctggcgcgca	gtctgcgac	tcggagtcca	tacacggcca	acctgttgct	cgctgggtgc	420
gatgggatca	cccagaagcc	tcacctgtac	tggatagact	acctggcttc	tttgcaccag	480
taccatatgc	cgtcctatgg	tatgcccata	ctatnngctc	tcacactcga	taaacacacc	540
atnctgaaat	tnoctegaag	aaggctaaag	cttctnagat	tggccagacc	acttaagcgt	600
gattgccgat	gatacagggg	ggtttggtaa	agtcngaaca	agatgggcga	gagaggtgac	660
ttgtaatggc	acaaacg					677

<210> 4657

<211> 688

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(688)

<223> n = A,T,C or G

<400> 4657

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caagggttga	gatccggcac	tcggtatgcc	ttcagccgta	acttcaagga	gcacggccag	120
atcgccctgt	cgacctacct	gaagacctac	cgggttgccg	acatcggtga	catcaaggtc	180
aaoggtgccc	ttcagaaggg	tatgccctac	aaggctctaca	acggtaagac	tggtgttgct	240
tacaacgtca	ccaagtcttc	cgctgggtgtc	ctcctctaca	aggttggtccg	caacgcgtac	300
ctcgagaagg	gggtcaacat	cgccatcgag	cacgtcaagg	actcccgctc	ccgtgaggac	360
ttcatcaagg	gtgtcaagga	gaagggccgag	aagaagaagg	aggccaagga	gcagggtgtc	420
caactccacc	tttaagcgcca	gcccgtcggt	ccccgtgagg	ctcacgtcgt	ccaggccgcc	480
ggtcccgaga	ccatcaactcc	tatcccttac	gacacccaca	tctaaacgaa	tagaatggtc	540
aggtcgatgc	gggtgtttgg	tggtttctggg	ttttgccatc	taagggtgga	ttttgcattg	600
agaacgaagc	aaaaagggtg	ctcggatgta	ctagcacaa	tcagcctgtg	catagattcc	660
ctggaatgaa	acanaacana	aaatttctg				688

<210> 4658

<211> 723

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 4658

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accccccaata	tccccgaagc	gaagctgcta	ctgaaagacg	ccggtctaga	tgtaccggag	120
ccagagggtc	tcccggacgt	tcttcagtta	gtcaagcaag	tcaaagccct	aggccccaaa	180
gctgtttcttc	ttaaaggcgg	gcattttacct	ctcaccaagg	atcacaaaac	ggcgcggaac	240
caggacgagg	ctaccacagt	tatagacgtg	ctttacgatg	gacaagatat	cacacttttc	300
gagacagact	tctttattatc	taggaacacc	cacggcaccg	gatgtttctct	tgcgtcttcg	360
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cattttgcact	cgggtgtatac	actacotttt	ggcgcctggc	gtttctttaga	atatgccttg	540
gaccgacctg	atattcgacc	ggtatggcag	aagtttaccg	aacatgaatt	tgttttgggc	600
atgggcagtg	gcacactttc	cgtggagata	ttcaaggagt	acctagtgcg	ggattacctc	660
tacctggtgg	accaatgcac	ccttcatttg	tccaatggac	tttgtctaac	aatgtgatat	720
tcn						723

<210> 4659

<211> 775

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(775)

<223> n = A,T,C or G

<400> 4659

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ctcaactcat	cgttgccatt	gttggcaccg	ccaccacttc	cgacgtcgca	aacaagggtgc	120
tgatcgccct	cgtctgtgtc	tacatcttct	tcttcgcttg	ctcatggggg	tgcaccgcgt	180
gggtggtgac	cgggtgagctc	ttccctctca	aggctcgtgc	caagtgtctc	tcaatcacga	240
ccgccacca	ctggctcctc	aactggggcca	tgcataatgc	tacccttat	atggttaact	300
ccggccccgg	caacgccaac	ctgcagtcca	aggtgttctt	catctggggg	ggattctgct	360
tcattgcgg	tattttcgct	tacacctgca	tctacgagac	caagggtctt	accttgagac	420
aggttgatga	gctttacgct	aagattcctg	tggcctggcg	ctcccatgaa	tttgttccat	480
ccgtcagcta	tgttgacgtt	cgtgacgttg	ccgccggcaa	agtgtctggc	aacctcgctg	540
atctagaggg	cgacgcccag	atgaagcgtg	atatggagca	tggtgagaag	gcctagaagt	600
ataatccggc	gttgggtcaat	tggagttttc	ctgtcttggt	taggtgttca	acttcttttt	660
tcgtttccat	agtccttata	ctgcctttgt	acctagcgag	tggctntttg	caactntatc	720
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<210> 4660

<211> 695

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(695)

<223> n = A,T,C or G

<400> 4660

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cgccactcct	tcaagctctg	cctgtcactc	ttaaagatct	agttgcaggt	tgttcatcaa	120

tagtcacacc	tagctgtctc	cgcaagcttt	atggaatttc	tgattccaag	cccaagccag	180
accgtcgtaa	caggcttggg	gtatctgggt	ttctggacca	gtatgcacgc	tatagcgact	240
ttcatcagtt	cttgcgccct	tacgcaccga	atataacaga	caataactac	accgtggagc	300
tcatcaatgg	tggtctcaat	ttgcaagatt	ctttggagga	cagctccgag	gcaagcttgg	360
acatccagta	cgctgctgct	ctagctgata	cccccttcac	gacattctat	agcaccgccg	420
ggcgtggccc	tgtcatacgt	gacctgnngc	ataatgaccc	aggtgaccct	cacgagccgt	480
acctggaaca	actccgttat	ctgttggatc	tcccaaatga	caaactgcct	gctgttctaa	540
ctacatccta	cggtgaatta	gacaaaacgt	gccataatat	atccaagacc	acatgaacat	600
gtttgctcaa	ctggggcgcg	cggagtcttg	tgatctttac	aacggcaaat	cgggcgttgg	660
ggactcgggc	ctactaaaga	cgggacctaa	tcgct			695

<210> 4661

<211> 639

<212> DNA

<213> *Aspergillus oryzae*

<400> 4661

cacgatctta	aagttectat	cacctcttat	tcaatcacca	tattttccgt	gattatccta	60
attccttcgc	aatcaccata	atgagcccaa	ttcagattcc	cgtcgatgcg	atcacctcgc	120
gcttcggtga	gcgctttaac	agcctccgat	cacaatccct	aggctctcgt	ttcgccaacc	180
tccggcccat	ttccgagttt	cttgacgtca	aacgggtctc	caagccggcc	aacttcggcg	240
aggttcagag	ccgtgtgaac	tacaacctgt	cttacttttc	tagcaactat	gccgcggtct	300
tcgcgatgct	cagcatctac	agcttgctga	cgaactttat	gttgcttttc	gtgatcatct	360
tggttactgg	tggtttgtac	gggatcggaa	agcttcaggg	ccgcgacctt	gatctgggat	420
ttgcccgggt	caacactttc	cagctttaca	ccggattgct	gattgtggcg	gtccctctcg	480
gcttcttggc	ttctcccatc	agcactgtac	tgtggctgat	tggggctact	ggcgtgtgtg	540
gctttgggca	cgccgctttt	ctgggaaaac	ccatccgaga	tgcttttttc	agaggaagcg	600
gtctaggggg	gcggccgcga	acttcttaac	ggtttggcg			639

<210> 4662

<211> 737

<212> DNA

<213> *Aspergillus oryzae*

<400> 4662

cccgatacct	tcgtctgggc	ctgaaacgtc	ttggctttat	agtgtacggc	cacgacgatt	60
cccccaattat	cccagtgcgt	ctgttcaacc	ctgctaagat	gccagccttc	tcccatgaaa	120
tgctcaagcg	aaagatttct	gttgctggtg	tcggttatcc	tgctacaccc	ttggctctct	180
cccgctgcctg	ttctgcgcgc	tctgcgcgcg	atactaagga	agacctcgat	cgggtattga	240
ccgcttgtga	tgagattggc	aatgtcttac	aactcaaatt	ctcgactggg	gttgccggcg	300
gagccctccc	ctcgaatgag	gacgtgaccc	ctcctccaga	gatggagaag	gaatggcacc	360
ggaagcgaga	ccccgttgc	cccccgcggt	ggcgtatcga	ggacgttatc	aggcgcggtg	420
tccaggacgc	caaaggcccg	ttgtattagt	tcgtcatgat	tgcattcggt	attgttacat	480
attcgtttaa	ggggttggcc	tacagactcg	gttgatgctg	gtcatgccgc	gtcgcaggct	540
gatcgaacca	ttactacttc	acgcttggtg	tgtatcatta	agcagccgcc	ccctggttgt	600
ctctgcattc	ttaccacgtt	tccccctcca	tatgcatggc	gtggaatggc	ccacaagcct	660
cagaaagtca	cggattctcg	accaacccat	ggatacgctg	tttgaaaaat	tgactaccgg	720
ccaacgaact	tcccaaa					737

<210> 4663

<211> 645

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(645)

<223> n = A,T,C or G

<400> 4663

acagagtggga	acgggagggg	tttccaagtc	taactgtacc	tttccaccat	gtcgtctcttc	60
aatgtactgg	ccctgttgat	ggccttcgtc	tgttcgggtga	ccgctcagac	atggaccgac	120
tgtaaccctc	tcaatgaaac	ctgtcctgca	gcgcgggctc	tgggtactaa	tcactcttgg	180
gtcttcaatg	agaccatgga	cgacaagatt	tggtcgggtta	cgaacggcca	agtggactgg	240
aaagataccg	gcgcggaatt	ctccatcaaa	aagaaattag	attcgccaac	gatgcagtcg	300
accttcttta	tcttcttcgg	tattgtcgag	tcccacgtca	agatggcgaa	gggcggcggt	360
atcgtcagca	gtgtgggtgct	tcaatcagcc	gatctagacg	agatcgactg	ggagtggatc	420
ggctacaata	cctctgaggt	ccaatctaac	tacttcggca	aaggcaacga	cacctcgttt	480
aaccgtggtg	gcttccacta	tgtggagaac	gctgatacag	aattccacaa	ctacaccacc	540
tactggactc	aggagaagct	cgagtgggtg	atcgacggca	atctgggtccg	cacgctgaag	600
cctgaagatg	ccctggatgg	caagaactat	ncacaaacac	ctagt		645

<210> 4664

<211> 715

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(715)

<223> n = A,T,C or G

<400> 4664

cttctagtat	ggggttcccg	agggcaagga	gtgagaaggc	actctacacg	actggaaact	60
cggatttcga	agctgcaatg	aactggttat	ttgctcatct	ggaagatccc	gatattgatg	120
aacccttgac	tatcagcgag	atcagggggg	gaggaaccga	cgcctcacat	gacccagcaa	180
aagtggcaca	attggtcgaa	atgggcattg	acgagtcccg	tgccaaacga	gcattgggtg	240
ccacaggtgg	tgatgtcaat	agagctatcg	actgggtggt	tagccacca	gaagcagatg	300
ctgaaggcta	tggtcgtgaa	tcaaacaccc	attctgatgg	ttgccctaga	aacctcggtt	360
ctagtgatgt	accagctagg	tataagcttc	gctctattgt	ctgccataag	ggttcttcag	420
tcacagctgg	acattatggt	gcctttgtcc	ggaagactct	gccaggtcag	aatgaaccat	480
gttgggtgat	gttcaatgat	gagaagggtg	tgaaggctgg	ggacatacat	gagatgaaga	540
aatacgcata	cttgtaacttc	ttttcacggg	tctaggcatt	atcttctaat	cctgagttag	600
cacaccttgc	acgaggaact	cccaccaggg	attggtnatg	tacacctagt	aatgctcacc	660
aatagagaga	gagtcggggg	tcttactgcg	gtatggagca	ctgtagacg	ccgtt	715

<210> 4665

<211> 649

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(649)

<223> n = A,T,C or G

<400> 4665

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gatttacgcc	caacccacca	aggttcgccc	cgatattgag	gttacttggc	tgggttatga	180
gggaatcgat	gcgggttaagg	ctgctctgcg	tactgctgag	gaggccaaac	cccccgatag	240
ccaggtcaag	gtcaagctgg	ttgctcctcc	tctgtatgtc	ttgactagcc	agtgtttgga	300
caaggctatt	tgtatcaagc	agcttgagga	ggctatttcag	aggatcgagg	ctaaaaatcaa	360
ggagggccga	ggtggctgca	gcgtcaagat	ggcaccacaag	gccgtcacccg	agcacgatga	420
tgcgcactc	caggagctca	tggagaagcg	tgaacgtgag	aacatggagg	tcagcggtga	480
cgagagtcag	tctgagagcg	acgatgggtg	tcccagatga	gcagcgacac	agacgcctac	540
agcgccaatt	taggcctatg	aacccgattc	gaaagaagag	aatgtcagaa	naattccgat	600
gtgtagttga	acaacactga	atacgaaggc	tggttatgag	tactgggttg		649

<210> 4666

<211> 673
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(673)
 <223> n = A,T,C or G

<400> 4666
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 agtgatgatt ggaatgggat tatagggttc tttcatccat tctgcaacgc cggaggagga 120
 ggagaacgtg ttctttggga agctgtgagg gcaacgcaga agcgctggcc cagagcgatt 180
 tgcgttatat atacaggaga ccacgaagtg aacaaaactg ccattgctga gagagtccag 240
 aatcggttca acattcaact tcatgccccg acagtgggtg tactatacct tactaccgt 300
 aatcgttgag ccagcagcat gtatcattac atgactctg tgggtcagtc ttgggaatcc 360
 ctggttgctg cctatgatgc attcaatctt ctgggttcag agtggttcgt cgataccatg 420
 ggctatgctt tcacactggc cttctgcaag atgcttttcc cgtccgtccc aacaggtgct 480
 tatgtgact atcctacgat atccacggac atgctccagt ctttagatga cccccaccgc 540
 gttgaaggaa nttaacgctg tgcngaaaag ggactgaaag gacagatcaa gcgaaagtac 600
 tggcttgctt tcgncgctct acngettggg ttggtggcaa tgtggacgtc gtgatgtgcc 660
 actncttctt gac 673

<210> 4667
 <211> 700
 <212> DNA
 <213> Aspergillus oryzae

<400> 4667
 gatgtgatct ccgtctctgt tcacatgaag gagtcctgcg aacaggtccg cagtgggtgag 60
 tgggaagggtt acactgacaa gaagattgac accattatca acattgatat cgggtggtctt 120
 gatcattggg ccggttatgg tcaccgaggg cctgaaacca tacggagctg accgcatgaa 180
 gctgctcttt gtcttcaaca ttgatggaac tcacattgcc gaggcctca aggactacaa 240
 cgtgaaacc accctcttcc tgatcgcttt caagacctgc tctaccgcaa agactactac 300
 catcgcgaaat aaccctaaga agaggttcct cgagactgcc aaggatgaat ttgatatcgc 360
 caagcacttg gttgatctga acaccaacga ggctacgtc accacgttgg gtcttgacca 420
 gaccaatata ttccgtttta attcttgtgt ggatggctct ttctgctct ggagtgtat 480
 cgtgattatt cgtcgccctc ttcattccgt ccaatgaact accgccaat gatgtgttg 540
 tgccccatcc gattgacaaa gtactttcgt gaaagctccc tatggactaa aacttctccg 600
 gcaattgcgg ggcttgctta atggctgagt acaagtactt ttttgagtgg cccaaataac 660
 actgggttgt tctttttcat aaacaacctt tctctattg 700

<210> 4668
 <211> 693
 <212> DNA
 <213> Aspergillus oryzae

<400> 4668
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 accgcnrggr ctcgtctagt ggttctttct tcttgcggct aaacttcggg gatgaagggtg 120
 gtgcacctgt ggaaacatgg atcttccgtg catgtctcat tcagggtatc cagtccgcct 180
 atgttatttg tctctggtag tgggtttcaa cctgttcaca ggcacaaagt gagtgtctct 240
 tgaactctac aaacaatata tccaattctt ggaagattag tgcacatctgt taacccattg 300
 ccgcggtcct tttcggaatt ggtttgctct tgacattcgg cctgcccac tattacgtc 360
 aaacccctgg caaggctcgt tctttctaca aatccgtgtt cgtcgttaag atcgtctct 420
 ggaaactttg ccggttcata ctccagaact tttttctcag cgtccctcac ggcgggaact 480
 ggagttcct ctggacatcc caccacgcac atcactggca aatcgcatcc cttgggggtg 540
 ttctacgggt tcgaaggggc cggcttctaa ttcaggccag gtgcttatta aaaaaacag 600
 atggtttctc ccgggtccc ctggtacct tgcactccac ctcgtcacaa tgatgggggtg 660
 aggtgatcac acacatgaca accattattg ccc 693

<210> 4669
 <211> 671
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(671)
 <223> n = A,T,C or G

<400> 4669
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 attttctgtc ccatcaggag ccaatcggtat tatcgcaacc atggcgacgg atacttccac 120
 gtataagctc aatcacacta tgatccgggt caaggacccg aagaagtccc tggatttcta 180
 caagttcttc ggacttactc agattcaaca actcgatttc cccgaaaaca agttttcgct 240
 ctacttcttc gcatacaacg gccccaagtc cctgcagggt gaccgtaact ggaaggacccg 300
 caacgctggt ctggagctca cccacaacta tggcacagaa aatgacccca actacagcgt 360
 agccaacggc aacacggaac ctacccgggg ctttggtcat attgccattt ctgttgacaa 420
 cattgaatcg gcttgcaaga gaattgaaga tgctggctat cttttccaga agaagctcac 480
 tgatggacgt atgaagcaca ttgctttcgc caaggatcct gatggatact gggttgagct 540
 tattcgtcgt cataacgagg atgtggtacg acgacagata ccggcaatta ccgactcaac 600
 acagcatgct ccgtgtgaag tgcgcanaac aagttttgaa tttctccaag aggtattggc 660
 atgacctttt t 671

<210> 4670
 <211> 697
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(697)
 <223> n = A,T,C or G

<400> 4670
 caaagcgact attttctggg gatcagggtat acactttgat aatcacattt gcccatcatg 60
 gccgaaactc ccagacttga gcctcacaat gccttcgata ctatcctgac cctagacttt 120
 ggggtctcagt ccacacatct gatcaccgt cgctccgtg agctcaatgt ctactcggag 180
 atgcttcctt gcacccagaa actggccgat ctcaagttca agcccgctgg tgttatctta 240
 tccggaggac cctactcggg gtacgaggag ggtgctcctc acgtcgacce tgctacttt 300
 gacctaagcg tgctatcct cggatatctg tacggcttgc aagagattgc ttaccgcctg 360
 gacagcacca atgtcattgc tggcacgtcg agggagtacq qccttgcgca gctcaaggcc 420
 aagaaggctc gcgggccact cgaccacctc tttgatggac tgggaagacga attcaacgct 480
 ttgatgtccc acggtgacaa gcttgggcaa gcctcccga ggtttcacac gattgcacta 540
 ctcccactca aagacgctgt attgccacga gacaggccat tatgggctcc actgcacccg 600
 agtgaccaaa ccagacggac cagctctgga gactttgccg cacattgggc tgcaacgact 660
 gacatgctcg ttngtgacca gaatgcagaa tcgaact 697

<210> 4671
 <211> 734
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(734)
 <223> n = A,T,C or G

<400> 4671

agcacgcgat	tgcacgagg	gcgcgcagat	gtcgcagtat	ccattgagaa	gccctccgga	60
gaccaagaat	gggccaataa	ggtcggggga	tacacccctc	tccagcagca	cgtcctattc	120
tgggaccgtg	acggtgatgg	gatgattttc	ccatgggaca	cctatatattg	atttcgtgaa	180
ctgggcttca	atatacctct	ttcatttcctg	gccgtgttga	tcatcaatat	taacttttcg	240
taccgcactc	gactggcata	tagctggctc	ccagatccgt	ggtttcgagt	ttatgtacgg	300
agcgtacaca	aggctaagca	cggctcggac	agtggtaact	atgaccctga	aggccgattc	360
atccccgagc	ttttcgagaa	tctgtttgcg	aaatgggact	cggataatga	tggagcgctg	420
acgctacgtg	agctgtttca	actgatgcac	ggccatcgct	gcgctgctga	tccgtttggt	480
tgggggtgcgg	ccctcttcga	atgggggaact	acgtggcttt	taatacagaa	ggatggtaaa	540
gtttataagg	aggatttgcg	tgctgtgtat	gatggttcca	tattctggaa	aattcgcgag	600
gcacggaaat	ctagcccagg	atggacgcaa	ggatttgga	ttggtggaga	tgggtttggt	660
ggaggagaaa	agatatatct	gtaaaagagg	cggntgatac	ataattggtt	gcgaggtcct	720
agaatcgaga	aacc					734

<210> 4672

<211> 738

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(738)

<223> n = A,T,C or G

<400> 4672

ctctcgaggt	atcaagatga	gaacaacggt	ctacttgaac	tctcttcaag	tgtecgctcct	60
acctattttaa	tattctctac	ccttcttcgt	cggttctgga	ttccacggcc	ctgtccaatt	120
ttttgagaca	tgcgccgtgt	cacccccaaac	ctcattacaa	ccccacttt	cacaaaaacta	180
gttgtgtgttc	tcacagccca	gttccgcggc	catcgacccc	tcttttaata	tcccgttcaa	240
catgcaatca	gaacacaaatg	aaccgatatgc	taatcgcat	caactttcag	ggactcagtc	300
ttgtccgccc	ccagaattac	ctcaactcgt	cggcgagcaa	catgttccca	ttgccgcaa	360
cgacaaggaa	actcaacgtc	taatcgttgt	cctctcccat	gctagtctgg	agacctatcg	420
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tatcactcat	cagtgtcttc	tcactctgct	cgactcccct	gtcaacaagg	caggcaaact	600
ccaaattttac	attcacacgg	ccaaagggtgt	cctgatcgaa	gtgaatccaa	gtgttcgaat	660
tccgcgtaca	ttcaagcgtn	ntgctggcct	catgggtccac	tttctgcaat	cgctctcgat	720
ccgctctacc	aattctaa					738

<210> 4673

<211> 646

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(646)

<223> n = A,T,C or G

<400> 4673

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taacagctgt	tgcgatggat	caacatgtcg	atttcgcgat	aatgcgggat	gcgacgattc	120
ccacggggccg	tgtgttacaa	actgccaat	tgcacgttc	ggcaacgtgt	gttgtgagag	180
taactggaact	tgcgacattc	aggaaacgtg	caccggaaac	tccagcgctt	gtcctacaga	240
ccgatacgca	ccagacggac	aaacatgcgg	caactcatcc	ggcttatttt	gcgccagcgg	300
acaatgpaag	aaccgagata	tqcaatgtca	acaactcctg	aacacaaaata	gcacgggtgt	360
gtcctcctgc	aataatgatt	cttgccacct	cagttgctca	gttgactggg	atggatctgg	420
ggtttgatatg	ggcatgaacc	ggcaggtgca	agatggtaact	ccctgttctg	acggcctctg	480
tgcgggtggg	agatgtcggg	ctgagagtga	gaataacggc	tcatgggtgg	accgtcatcg	540
ctcgcgtgatc	attggactgt	ctgatggaat	ncgtggagcc	ttggtccttg	cggtaactttt	600

gggtataatc atttgcgtgct gctgccngga aaaaagactc ccaaan

646

<210> 4674

<211> 919

<212> DNA

<213> *Aspergillus oryzae*

<400> 4674

cggaaatacc	atgctgtgtg	caatctcggg	agaggcacca	caagagcccg	tcgtctcgcc	60
caagagcggc	agcgtgtgtg	agaagcgcc	catcgaggca	tatatcgccg	aaaatggaaa	120
agatcccgtg	aacggagagg	agctctctac	cgatgacctt	atcgagggtca	agtcccagcg	180
cgttgttcga	cctcgteccc	ctacactcac	ctcgattcct	tcctactca	atgtgttcca	240
agaggaatgg	gacgcccctg	ccttgagagc	atacacactg	cgacagacat	tggcaciaac	300
gcgccaggag	ctgagtacgg	ctctctacca	gaacgatgag	gcagtccgag	tgatcgcgcg	360
cttgaccaa	gagcgagatg	aagcccgtag	tgcgctctct	aaagtatccg	tcggcgctac	420
agcgctgct	gggggtgaag	caatgcagg	tgattcaaat	ggactgcctg	atqcaqtttt	480
gtcacgtgtt	gaaagtacac	aagcagcgct	ctcgaagact	cgccgtaagc	gcgctgttcc	540
ggaaggctgg	gcgaccagcg	atgctatctc	cacatataag	cccgcacaaa	gcaccgagcc	600
cctctaccct	ggtggcaagg	cactgtctgt	taacgcttcc	ggagagcttg	cccttggttg	660
gagcgctgac	ggcggtgttg	gtgtcttctc	gctatctcag	aagcaagtcg	ttcagagctt	720
gcaagcaaat	ggtccggtta	cggatgctat	ctgggcagg	gataaggccg	tcgttgcttc	780
gtctaccggc	tcagtgaagg	ttttcgagaa	cggcaatgaa	gttgctgact	tcagctctca	840
tgctggcgca	gccactgcgc	tcgcccgtga	ccctactggc	gacatcgctg	cattcggttg	900
cgctgacaag	agtacgtgc					919

<210> 4675

<211> 707

<212> DNA

<213> *Aspergillus oryzae*

<400> 4675

gttccttctc	ttcgcccgac	gtagcatcct	cagttcgacg	acgatgtggc	agacggctcct	60
ctaccgcct	atcttcggtc	agatcatcga	caagtgtctt	gacgggctct	tcaattggaa	120
atgccggaat	atcagtcggt	ggcaaaagct	agcgggctac	ctacatctat	tctccttcac	180
cagcaccaaa	tcctgtggtc	actgggttca	gatcatccga	cataagaact	ttcaattcta	240
cgatgacgag	gtccacgctc	cgttcagcat	tgctcgtagc	gagcgattct	ataagccggt	300
caagtaccct	accaggaaca	tcaagacgcc	cattgtgcta	ctgtacgggg	gcaatgacag	360
cctttagtag	attaacgtga	tgctgaagga	gcttcctcgc	gggatcacag	ccaagatcat	420
cccgaagtac	gaacacctcg	atttcttgtg	ggcgacggat	gtcgagcaac	aggtgttcag	480
ccatgtcttc	gaggtctctg	aacagtacag	tggtcatcac	cagcttgagg	ggcggttaac	540
gggcctgate	aatggagatg	cgggacatgc	gatcgcggtt	taggcgatcg	agcgcattag	600
atagcatggc	ttgtgattcg	ggcacaagat	atataccggc	gcatacccca	atggagggtg	660
gttggtttta	atggttgatg	ttaattatac	ctgacataac	gctcagt		707

<210> 4676

<211> 698

<212> DNA

<213> *Aspergillus oryzae*

<400> 4676

caggtctcta	gatgtgggac	gtaaggacca	gcttcaactc	ttagccttat	cacttgcaat	60
ctctctacat	gcattgattcg	tttgtctagt	tgataatgca	atccagatcg	gtacttatct	120
gtgttctttt	agccctcgac	atactcaatt	ttacagttgc	ctctttaacc	caacgaccga	180
tctacgggat	cgtctaccga	gtcctacgaa	acgaagccgt	caccgctgag	ctttctcatg	240
gtgcgaatgc	attagaaggt	gacttaacag	cgtggtactt	cggctgggtg	gcagaccacg	300
atggaaaagt	attcagtgct	ggttctacag	cacgggacct	cttcaagtlc	atcgcgagga	360
aacagtggac	gaaagattac	aacatttcc	tcgtatggct	ggatattaag	aatcccgatt	420
tctgcggaaa	aggtcgaccc	tgctccatcg	aagccttgag	cgatctagct	cgagagatac	480
ttgaaccagc	aggtatacga	gtactttatg	gttttttcga	aacagctgag	agtcgcggtg	540
tcaaggtgat	cagagacggt	ttgactcgaa	cgaagccgtg	ttttgatggg	gagacgagta	600

ctatcttgca ttgacaacat ttccggggct gggcatacca ttaaacaaat tgttatggat	660
ttcggggatt ccttgcttag gaaaggggtc gacatctt	698

<210> 4677
 <211> 673
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(673)
 <223> n = A,T,C or G

<400> 4677	
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ttcgcatccg tcataaccgg actgaacaa catggccgct ctattgaaac aqccqttqaa	120
attagccctg gtgcagctcg cctccggcgc ggacaaaagcc gllaatcttg cccacgctcg	180
cactaaggct ctggaggcag cacaggcagg agccaagctc atcgtccttc cggaatgctt	240
caactcgcca tacggaaccc aatattttcc caaatacgcc gagactcttc tcccttcgcc	300
ccctaccgaa gatcaatccc ctctctacca tgccctgtca gccatcgctg ccgaagccaa	360
ggcctacctc gtaggaggta gcatccccga actagaaccc acaacgaaga aatactataa	420
cacctccctc gtgttctctc ccactggctc gttaataggg acccaccgca agacccattt	480
gttcgacatc gatattccag gaaagatcac ntctcaggag agcgaggctc tgtcgcccg	540
aaaccagttg acaattgttg atcttcccga ctatgggaaa gatcggttg ccatttgcta	600
cgatatccgt tcccggaagg cggcatgatt gctgcgccga aaggcgcttt tgcactcatc	660
taccggggcg cgg	673

<210> 4678
 <211> 690
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4678	
ccaaccccat cgaccttggt gccgcggga ctttcacaat gaagtccatg aaagtgggccc	60
gtgtggccat catcaccogt ggccgttacg ccggtaaaga ggtcgtcatt gtccagccta	120
acgacactgg ctccaaggcg caccocctcg cctatgccgt cgttgccggt atcgagcgtt	180
accccttgaa ggtcacccgc cgcattgggt agaagaccgt cgagaagcgc agccgcatac	240
agcccttcac caagggtgtc aactacaacc acttgatgcc caccgcgttac accctcgagc	300
tcgagggctc caagggtctc gtcaccaacg acaccttcaa ggaggctctc cagcgtgagg	360
acgccaaaga gaccgtcaag aaggcccttg aggaccgcta caccagcggc aagaaccgtt	420
ggttcttcac tctctctcgt ttctaaacgg ggtttttttg ggcggttatgt cgtttgagcg	480
cgcaaggctc tagatgaggg aagcaaaaaa gggcatcgag cacattcggt tcatgacaca	540
agaggagcga taccatagct ggcggaggca tqqqaatgt atcgatgtac aagtccagga	600
cttgggcatt tttctttttt gataatgaag gaggcccacc gagatctggc gtccctcgaa	660
tgaaatggga atatgaacaa attcaaaaac	690

<210> 4679
 <211> 387
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4679	
gacggtgtga ctgagcccca ggccactttc tctctctgct tcgcccagcc ttctcttggt	60
ctccacccca tgcgctacgc taccatgctg gctgagaaga tctcgagca caaggccaat	120
gtttgggtgc tgaacacccg ctgggtttgg gctggcgcca ccaactggcg taagccttgc	180
ctctctaggt acacccgtgc catcttggac ggcattcaca gggggaggtt ggccaaaccc	240
gagtaagagg tctacgatgt tttcaacctt cactgtccca agagctgccc caacgttccc	300
tctgagcttc tgaaccccaa gaacagctgg actgcattca ccagcttcaa ggacgaagtc	360
aacaaagcta ggcaagttgt tcaacga	387

<210> 4680
 <211> 734
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(734)
 <223> n = A,T,C or G

<400> 4680
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 actactatgt ttccgttttc actcccgagg agaacctgaa gattcgtttg ttcattggact 180
 aggatatgct tggctccccg aacttttgcg accaggttta caacgccacc aattcggtaa 240
 abccgggtcgg atccgaggag ttgggtgacc tgtacgtcga ttctatataat gaccacgacc 300
 tcaattacac ctatatctcg ttgatgggtc gcagtgaacta tgacgctttc atccgtcacg 360
 gtattcctgg aggcggaatt gccactggag ccgaggggtat caagacccccg gaggagcagg 420
 agatgttccg tgggtgtagcc cgcgcctggt atgatccatg ctatcaccca gatctgtgat 480
 gtccgggggca atgtgaattt gacggcctgg gagttgaaca ccatacttgt tgcccactct 540
 gtggccacct atgccagaac ccgttgaagg aattgctaag cggacgaaga gttccattac 600
 tggcttttggc tccgggaaat aactaggacc gtgggcccga gcgtcggact ttaatgctaa 660
 gatattctag agaccctggt attcgatctg gagcagtgac acacagattg gcagtgtgaa 720
 agagaaaaaa aact 734

<210> 4681
 <211> 855
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4681
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 cccggtcccg gccgaccgtc tcgcgcaacg tcgctcccat cgccaacctg accgtgtctc 120
 gttcggcctc caacgtccct accgaggacc ccaagaagaa ggctcagtcg attctcgatg 180
 cccctccccg caactccctg gtctccaaga ccgctaccct ctccgcccgt gccggtctct 240
 ccattgccgc tatcagcaat gagctctatg tcatgaacga ggaaaccgtt gctgctttct 300
 gtctttctcag cgtttttcacc gccgctgcta agtacgggtg tcccatgtac cgtgagtggtg 360
 ctgaggggcca ggtccagaag cacaaggata tcctgaacgc tgcccgtgcc gaccacacca 420
 acgctgtcaa gtcgcgtatg gacaacgtcc aggagcttgc tgggtgtgtt gaggtcacca 480
 agcagctctt cgtgttttc aaggaaaaccg ccagccttga ggctcaggcc tatgagctcg 540
 agcagcgcac tgcccttgc cagcaggcca agcaggctct cgactcgtgg gttcgtctacg 600
 aagggtcagg taagcagcgc cagcagcgtg agcttgccga atctgtcacc ggcaagatcc 660
 agaaggagct tgagaacccc aagggtctcc agcagatcct ccagcaagac gttgctgatg 720
 ttgagcgcac catgtctctc tccaaggctc agtaaatgga cgttgcatga atagcctcgc 780
 tatttagcaat atgtataaat taaagatctg ttctctgtgc tacattagac ataccaatac 840
 gaggttcctaa gcaag 855

<210> 4682
 <211> 672
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4682
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 gttccagttt ggtggacggg gcttcgacct gtaacagcac tcccaccttg gatattggtct 120
 natggctgca cgtgaagcca ttccacaaagc tgtcgttgag ggtaaaatgg cctccagttg 180
 aaacgatatg gcttggttga atcagcccat cctaatacct tgtattgcac ctggaatgga 240
 gcgcgatgtg gaggtgaagc ttgacaagga acacccactt ggatcaaaag tgactgtcaa 300
 gatgggttggc ccgcaggatg gatctttctc gcctgacctg tgccgcggct tcgcggagaa 360
 gattctcaag aaggacgctg aatgcnaact tgcaccttgc tctttcaatg gtgttcatca 420

gccctcgctt	gagaagacat	tttccagaga	agacgtttat	atcttttctt	acttctttga	480
ccgcactaag	cccctgggca	tgcttgactc	tttctactctg	gaggagtgtc	accagctcac	540
attcacgcgc	tgtgccggcg	aatcgtcacg	gaagaatttt	ctaaggcatg	ggagaagcca	600
tgcccgaaact	actcgaccgt	cctgaatggt	ggcttggtatt	tgaacttcat	gcttgcactg	660
ctgcactctg	gg					672

<210> 4683

<211> 305

<212> DNA

<213> *Aspergillus oryzae*

<400> 4683

ggctgctaac	aacgccatca	agcacgtcaa	cggcatgttg	ctgaacgaca	agaaggtctt	60
cgttggccac	cacatctcga	agaaggaccg	ccagagcaag	ttcgaggaga	tgaaggccaa	120
cttcaccaac	gtctacatta	agaacattga	ccaggatgtc	accgaggagg	agttccgtga	180
gctcttcgaa	aaattcggty	agatcacctc	agccacccctc	agcgtgtgac	aggaggccaa	240
gagcgcgtgt	ttcgggtttcg	tcaactttctc	tacccacagag	agcgcgcagg	cggcgcgttga	300
cgaga						305

<210> 4684

<211> 799

<212> DNA

<213> *Aspergillus oryzae*

<400> 4684

tgaatgtctt	ctctctact	tgtactttcg	attactcttg	ggaggaggta	tcaacggcga	60
actggcgcaa	gtactgcccg	tggaatgaca	agtccacaca	tgttggtggcg	gtagacacgt	120
tatcccgga	tattgactca	gaaactggta	tcttgccgac	agagcgtctt	attacatgtg	180
atcaatccgt	gccgcaatgg	gttctttctc	ttttcggagg	aagcgcctacc	tcgcattgtt	240
acgaggctctc	ctacgttgac	ccaaaatcga	agaaagtta	aatgtgctcg	accaacctca	300
catgggtccaa	tgttttgaat	gtccaagaga	ctgtcaccta	tcaacctatcc	tcagcgaagc	360
cggcttggta	cacgaatttc	aaccaggaag	ccaagatcac	tgtctctctgc	ggcgggtggc	420
aaaagatcaa	gaacaaggta	gaagaggcaa	gtgtggagag	attcaatcaa	aacgctaaaa	480
gggggtcgaga	aagggtttgag	gccgtgcttg	agatgaatcg	acgggtattc	ggtgaacaac	540
gcgagcgtga	gaacgataga	cttcagtcac	gacttgtgca	atgttctata	tccgtgccag	600
aattgaattc	aacaccataa	aaatcggggc	tttgcatata	acggcggcag	gtctgggtgt	660
tttccaacgc	aggggtgccaa	tttgccgttc	taaacggggt	ctgtgccaaa	gggggtctctc	720
ttttttctct	gtggggagca	agacctgact	ttgttcaaaa	cctatcaaaa	gtgtgactaa	780
cgacgaatga	cggggtggg					799

<210> 4685

<211> 671

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(671)

<223> n = A,T,C or G

<400> 4685

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ccatcaccac	cgtgtttctac	aataacatgc	tgacggccca	ccccagattg	aacgccgtct	180
cttcccaacgc	caacaagggtg	aacggccatc	agcccccggc	cctggccggt	gccctctttg	240
cttatgcctc	gcatalegat	gaacctggag	ctcttggggc	cgtgtgtgag	ttaatctgca	300
acaagcaagc	gtcgtgtgat	atccaaccgc	agcaatacca	gacgtgtggc	aagtctctgt	360
tggaggccat	gggcagagtc	ctcgtgtgat	cgttgacccc	cgagatcctg	gacgcctggg	420
ccaccgcata	ctggcagctt	gccgacctca	tgatcggctg	tgaggccgaa	ctgtacaaac	480
agggccgaagg	atggacggac	ttccgccact	tttgtgtcgc	caagaaagg	cctgagctct	540

ccgagatcac	cttgggtctac	ctcaagcccc	tgatggccaa	ccccctncca	aagttccgcc	600
cccgccagta	tatctccgtg	caggggttctg	tggactcgct	caattccccc	aatgtcggca	660
atacttcttg	g					671

<210> 4686
 <211> 740
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(740)
 <223> n = A,T,C or G

<400> 4686						
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cgtcgagtag	tcaattgacl	ccatctctccc	aactatcaag	atgtctgcgc	atctgaagcc	120
ccttcgcatt	gtcatggcct	gtgatgaggc	tggccaaccc	tacaaggaga	ctctcaaggc	180
agcccttgag	aagaaccctc	tggtcgagtc	cgtcgatgat	gttggtgtca	actcgacctc	240
cgacaagact	gcctaccctc	accccgcctg	cgccggtgct	aagctcatca	aggagggtaa	300
ggcagaccgt	ggtctcttca	tctgcggtac	aggtctgggt	gttgccatcg	ccgccaacaa	360
ggttcccggg	atccgtgcgc	tcactgcccc	cgactccttc	tcggtcgagc	gtgctatcct	420
gagcaacgac	gcccacgttc	tctgcttcgg	tcagcgtgtc	attggcattg	agctcgcgaa	480
gaagcttgcc	aacgagtggg	ttacctaccg	cttcgacccc	aagagcgcat	ctgccgccaa	540
ggtccaggct	atctccgact	acgaggccga	attcgccaag	gctcagtaga	tcctctaata	600
tcggtgcttt	aaaccatgcg	cgagcgaaacg	gacgcctgt	ctacgatgcc	atcttaacga	660
cggcgctcat	ggcgcatcct	tagatcatcg	accacttctc	ccttacgccc	nngtctcata	720
cctcttncca	gcgactggac					740

<210> 4687
 <211> 659
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4687						
gcgcgagccc	catgactctg	gacgtcctgt	ctccaaagac	tacctcgctt	atctcggagt	60
tttctaccgc	tactgccctg	atatcgagtc	tgtcaatgct	ttggccaagg	agcgcggata	120
taagaaccgc	gatgagggtg	gcgtttctcc	acagaccatg	ggcgatgtgt	acgagtcgaa	180
ggtgaagatg	ttcttttgctg	agcaccttca	cgaggatgag	gaaatccggt	acatccgcga	240
tggtgagggg	tacttcgatg	tgccggtcca	ggatgatgaa	tgggtccgta	ttcaactcag	300
caaggacgac	ctaatacatg	ttcctgcggg	tatctaccac	cgattcacia	ccgacgagaa	360
gaactatggt	aaggctatgc	gccttttcca	ggaagaacct	aagtggacgc	ctctgaaccg	420
tagcgaagat	gtcgaattcca	acctcaccg	gaagacatat	cttggaactc	tcagcacaag	480
tgctgaggct	gcaaagtaaa	cggttggtct	ggttagacca	ctggccaaag	tatggatatt	540
gggaaggctc	gatatgttcc	atgatctacc	tcatttcaag	gtgattgcca	tcgctacatt	600
tgatgactga	aggggtatat	ttcaaagcct	tgagattcat	gatgaaccaa	aaaaaatat	659

<210> 4688
 <211> 627
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 4688						
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caaaaaacat	taggggtccga	ggatatgttt	ccgtcgccct	gggctgtccg	tatgaaggcc	120

ctgatgttcc	accgtcaaag	gtggctgaca	tcacggccac	actgcttgag	atgggtgccc	180
acgaagtgtc	agtagctgac	accacgggta	tgggaacagc	cccacgtacg	atggagctcc	240
tacaagcgct	caaagcggca	ggaatcgcca	acaacgacct	cgctctgcat	ttccatgata	300
catatggaca	ggccctgggt	aataccgtcg	tgggactgga	gcatgggtatt	cggattttcg	360
acagtagtgt	gggcagactc	ggtggctgcc	cctactccaa	gggcgccact	ggcaatatct	420
cgacagaaga	cctgggtccac	acgctccata	gccttggnat	gcacacggga	atcaatcttg	480
aggagatggc	taagatccgc	ggttggatca	cgggcgaact	ggatcggttc	aacgaaagta	540
gagccgggaa	agccaacctt	gcaaggatcc	aagaatgaag	aacggtaatc	cgcagaaagg	600
acccgaaaat	cctcatccac	taaacaa				627

<210> 4689

<211> 669

<212> DNA

<213> *Aspergillus oryzae*

<400> 4689

ccgcgacaat	catcacgaca	gggcgggacg	acagccatgg	ccactaaggc	ggataacaag	50
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gtaggcgcgc	acaaggctcg	caagggtccg	acttccacca	ccttccaccg	ccccagacc	180
cttgagctct	cccggctgcc	caagtacccc	cgcaagtcca	ttcctcatgc	tcctcgtctc	240
gattctcaca	aggtcattct	ttaccccctc	aacaccgaga	gtgcgatgaa	gaagattgag	300
gagaacaaca	ctctgggttt	cattgtggat	gtgaaggcca	acaagcgcca	gatcaaaactg	360
gctcttaaga	agctttacga	tgtcgacact	gttaagggtca	atactcttgt	caggccccgat	420
ggatccaaga	aagcctttgc	tgggctaacc	cctgatgtgg	atgctctgga	cattgcggct	480
accaagcttg	ccattgtcta	gatgaatcaa	ttttttatgg	gtctggtgaa	cttgttttgt	540
ttaacgcggt	agcttataag	tcctgggtcat	acagttagct	acccgtgctg	caacgacggc	600
tgaatgatcg	ttataaaaagg	tgtcatttca	atgcataatc	tgaaccact	tgggtagtgc	660
tgtaggaaa						669

<210> 4690

<211> 553

<212> DNA

<213> *Aspergillus oryzae*

<400> 4690

gcaatttcaa	ttccctatat	aatataacttg	catcttcttc	tcctttctta	ttcttttctt	50
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accgtctctc	tccaatcctt	tactgaccag	aagccgggaa	cctccggtct	tcgtaagaag	180
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cctgaggcca	tccagaagat	cgctaagatc	agtgcgcgtt	atggcgctca	gaagctcctt	360
gtcggccaga	acggcatctt	gagcaccccc	gctgccagta	atcttatccg	tgtacggaag	420
gccaccgggtg	gcattctgtt	gactgccagc	cacaaccccc	gtggtcccaa	tgccgacttt	480
ggtatcaagt	acaacctgtc	caacgggtgcc	cccgcccccg	agacagtcac	caacaagatc	540
tacgaaactt	cca					553

<210> 4691

<211> 676

<212> DNA

<213> *Aspergillus oryzae*

<400> 4691

cctcctagac	ctattcgggc	tgttgtcgga	gatcgattgt	ccccgatatt	tgcatttccg	50
gacagcctac	gacgacaccg	cccagactcg	accaccggcg	ccctctcttc	tctgcttatt	120
atcttccctg	cttgactcca	ccactttcta	ccgattttcta	gtcccgagcg	tcgaggagca	180
tacagacttg	gatagtgagc	aactatctgr	aataatacat	tttaagaatt	gggacgggag	240
gaaagccaca	taatataacc	cctaaaaccg	cttatcaaga	tgtgggtcatg	gtttggcggc	300
tgggcagccc	agaagcgga	ggatgcgcct	aaggatgcga	tcctcaagct	gcgggagcag	360
cttgatatgc	tgcagaagcg	cgagaagcac	ctggagaatc	tgatggagga	gcaggatgcc	420
gtggcgagga	agaacgtgac	gacgaataag	aatgcggcca	agtctgcctt	gcgacgtaag	480

aaggtgcacg	agaagaacct	cgaacagacg	acggcgcaaa	tcattccagct	agaacaacag	540
atatattcga	tcgaggcggc	gaatatcaac	caggagactt	tgaacgcgat	gaaacaggct	600
ggcgcagcca	tgacgcagat	acacggtaac	ttgactattg	ataaagttga	tgagacaatg	660
gaccaactcc	gcgagc					676

<210> 4692
 <211> 625
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(625)
 <223> n = A,T,C or G

<400> 4692						
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tgccctcgaa	cagcgcgagt	tcgcccgtcg	catggayayg	aagcagctga	aggagttcat	120
gaccatgtac	tccaagctcg	tcacgcgctg	cttcgatgac	tgtgtcaacg	acttcaccac	180
caagtctttg	atctcccgcg	aggagggctg	cacccctcgc	tgtgtggaca	agttcctgaa	240
gggctctcaa	cgcttgaacg	aacgcttcca	ggagcagaac	gccgccatga	tgacagagcg	300
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gttcgtgtac	aaactagact	tttcgaatga	tgacccccat	tgattgcatt	tggtctaaga	420
ttcggctatg	atctggatga	gcagggtctc	cgctttgttg	agtcacgagt	actcaatggt	480
cgtatatcta	tgctgctgtt	tagcttgtgc	cctcggaaat	atactgtaca	atatagtgat	540
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<210> 4693
 <211> 743
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(743)
 <223> n = A,T,C or G

<400> 4693						
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ggacgggctc	cctgatcttc	aacaactcta	tttacgacgt	tcgtgggtgg	tcgccgctcg	180
tcattcttca	ccqgttgtct	gggtgtgcagg	agaaggctcg	ctacgaagga	acccatttac	240
ttatccccctg	gttgcagaaa	gcgatcgtct	acgatgttcg	aactaagccc	cgtaacatct	300
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tcaccccccgc	gataacaaaa	acagatcccc	caatggacct	caaacggggc	ttgtatatt	660
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<210> 4694
 <211> 635
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4694						
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aacggttcta	tgaccctttc	caaggcacga	tatccctgaa	tgccaagat	atccgttcct	360
tggaaaaatc	gtcttatcgc	agagcgctgt	ctttagtggc	tcaagaacca	agactccttg	420
agggaacaat	tcattgagaat	atcactcttg	gactggataa	atctgacttg	actgagaatg	480
agataataca	agctttgcaa	agacgctgag	atacatgact	ttattacgtc	ggttgccaga	540
gggctattgc	aacgagccgg	gtattatagc	acagacagat	ctcaatggac	gccaaaagca	600
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<210> 4695

<211> 574

<212> DNA

<213> *Aspergillus oryzae*

<400> 4695

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tggtgaccca	cggaagcctc	cgtattgggtc	ttacacatgg	ccacaccatc	atcccgcggg	420
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gtggtgcgca	ccgcttcgat	gcctttgaga	tggagggaag	attctttatc	acccccggaa	540
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<210> 4696

<211> 702

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (702)

<223> n = A,T,C or G

<400> 4696

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taccagatc	caaggtagac	ggtcgggttg	ttgctatcaa	agataacata	tgacgcgcg	180
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ccgtcgtggg	gcaattacaa	gatgcaggcg	ctgtagttgc	cggaaagaca	aatcttgatg	300
aatttggcat	gggttctcat	tcagtatatt	cgcgatttgg	accggtgagg	agtttttggc	360
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cggtgcata	cactgggaca	gttggtttca	aaacctctta	tggattgata	tgcgggtggg	540
gtgtagtcgc	atatgccaac	tcactggaca	cggttgggat	cttagggaga	agcacagcca	600
gggttcgcga	tgtcttcaat	gttgtgaacc	agcagatcc	agcgatctct	actaatctct	660
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<210> 4697

<211> 1682

<212> DNA

<213> *Aspergillus oryzae*

<400> 4697

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acccctcttt	caactctttg	cgactttgcg	ctactgttat	ctggtaaggg	ctaaatatcg	180
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cttgtttgac	caaattcgca	gtctgggttt	gtcgtctctc	gcggaaatcc	gaattccagc	1620
tgatgggcta	cttttttttt	ttgtcttact	ttgtatgaaa	atgcaattgg	tggttaatat	1680
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<210> 4698

<211> 701

<212> DNA

<213> *Aspergillus oryzae*

<400> 4698

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ttcccagacg	ggcgtctgcc	actccgtaca	gacggttcta	tgtctccgaa	accaaggctg	180
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aaactggggg	gcagccgcag	aaggtggagc	tccctagttc	tggtgtttcc	ggcgatgcct	300
cgatgagccc	gtctgcgggc	atcctcaagc	aggccactgt	catggacca	ggaacgcgac	360
cgatctatct	cgatatgcag	gccacaaccc	caacggaccc	ccgtgttcta	gacgcaatgc	420
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agtcagaaaa	ggcagtcgag	caatcccagag	agcactatgc	caagctgac	ggcgcggacc	540
cgaaagagat	catcttcaat	agcggtgcta	ctgagagtaa	caacatgagc	attaagggtg	600
tggcgagggt	ttttggcgct	ccggcaaaaa	gaaccacatc	attacaaccc	aaaccgagca	660
caagtggggt	ttgacagctg	ttgggattct	taggatgagg	g		701

<210> 4699

<211> 684

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(684)

<223> n = A,T,C or G

<400> 4699

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tccggggccgc	tattccggcg	catatagagc	atactgtgga	gtctttcgat	tccatagaac	180
tccatcatgc	agcttccata	ctgatggcgc	aactcgggtg	tctaatttct	ggattcctac	240
gggaggcatc	tcaaagaaaa	atattcaggg	tgaaaaagag	gacgtgaatg	acctcttagt	300
tccggggaggc	ttcctccgac	aggcttattc	ggggattttt	catatgttac	cgctaggatt	360
gcgagtgcaa	gacaagcttg	agcgccctgat	agataagcac	atgcgctcag	ttggagcgtc	420
aaaagtttca	ctgtcgtcca	tatcttccca	agaactctgg	gagaggtcag	gacgcttang	480
aggaggttca	gaggtgttca	aatttcatga	cagaaaggaa	tctcgtttcc	ttcttgctcc	540
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acctctacga	gtataccaaa	tctcaaggaa	ataccgtgat	gaaccaagac	caagacaagg	660
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<210> 4700

<211> 731

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(731)

<223> n = A,T,C or G

<400> 4700

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tcacgaccgc	gccgttcggc	atcaggctgt	tgaacctctc	caacacctcc	cggttcaatg	180
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acacgctgcc	ccccagaact	ggagccattg	ctatcaagaa	agggatgacc	gctctctacg	300
atacagagac	agggaaagca	atcgcatgca	ccgtccctca	gctggaccga	gtggaagtca	360
tctcgcataa	gacacggcag	cagcatgggt	actttgctgt	ccaagttggt	tctggctgga	420
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atggcgctcag	tttaacacat	cgtctctctg	ttctgcgggt	ccaatcaggg	tgtgggatca	720
gagtgatnct	g					731

<210> 4701

<211> 718

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(718)

<223> n = A,T,C or G

<400> 4701

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tgtactatct	aggaaagctt	tgggagctgg	tctccggcgc	atcattgagc	ccgaaccgac	180
ggttactcgc	tacgatacga	ttgtcggaga	cgggtgactgt	ggtgttgggt	tgaaacgtgg	240
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atcgactcct	ggcacagctg	aagtcctggg	cgaaggccttg	aaatantcgc	tccgagccct	480
cggaaaataac	accccgcgca	agcctgggtga	cggtaactatg	atcgatgctc	ttgttccctt	540
ctgtaccact	ctgcgcgaca	ctaaggatgt	ccatgctgct	gctaaggctg	ctcaagaggg	600
aactgaagcg	acgaagagca	tgaaggccag	cttgggacgg	tctgtctatg	tgggtgggtga	660
agaacagtg	gtgggtaagg	gtcctgacct	angtgcttac	ggactcagcg	aattctta	718

<210> 4702
 <211> 1102
 <212> DNA
 <213> *Aspergillus oryzae*

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tgcacttcga ccagcctggc cgcaagcacc gccgtcgtga ggcccgtctt gcgaaggccg      180
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agtacaaccg ccgtgtccgt gccggtcgtg gattcactct cgctgagctg aaggaagccg      300
gaatccccaa gaagctcgtt tctaccatcg gtatcgccgt tgaccaccgc cgtgtcaact      360
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atgctacccg tcccatcaag aacctcactg ctgaggaggg tgtcactgaa atcaagcgtg      600
atgacctgac caagggtgag gaggtgctt accgcggttt gcgcgaggcc cgcagtgaag      660
cccgccacaa ggggtatccg gagaagcgtg ctagggttaa ggccgaggay gagtccgccc      720
ccaagaaata aatgtgattc acagttaatg atgatcgggt ctattttcaa gtcggggatt      780
agtgtactgt ggcattggcg gccgccccct ttctcaattt acctttgtcc ttaaaaaagc      840
tccgaacctt ccgaaatgca aatgccccaa ttttcacgtt tcaataaaga aaaaaagggt      900
ctactccgag ttatggatgt atgggtatgaa gctgcgtctt ggtccgtcag tgcgtggctg      960
ctgggggtcg atcaagccac atccttagcg attattcggt gcattacacc ggtctagtcg     1020
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<210> 4703
 <211> 804
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(804)
 <223> n = A,T,C or G

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ctacggcaca gacacaactt tcttcgacaa atttagcttc ttcacaggca gtgatccaac     180
ccatggcttc gtcaaatatg ttgacagagg aacagctcag aacacaggcc taataaaaagc     240
cgatggaacc atctacatgg gcgtagatta cacaaaacgt gctccaggcg gccgccaaag     300
cgctccgaatc agcagcaaca aagtctacaa tcacggtctt ttcactcctag acctagccca     360
catgcccggc agtatctgcg gccgctggcc agcatactgg ctcttaggcc ctaactggcc     420
caataacggc gaaatagatg tcatagaagg cgtgaacgac caaactaaca accaggtagc     480
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aagtaactgc tacgtcaatg ccnccggcca agccaacaaa cgcagctgcn gnattaaaga     600
tnnaectcgn cagtctttac ggaatggntt caataagtgc cgcngcgggt tgtatgcaac     660
cgaatgactg ccgagctatc agngtttggg tttcccgctt tcgagtatcc ctggngtata     720
atgaacggga acccgatccg gagtgttggg ggcaccgtca gnaagtttgc cgaacctgga     780
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<210> 4704
 <211> 665
 <212> DNA
 <213> *Aspergillus oryzae*

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aatggcagtt	tatacaaagg	tgccgtgtgg	cctgggtgtga	ctgcttatcc	agattgggtt	180
caccctgaca	ttcaagacta	ctggaactct	gaattcagta	ccttcttcaa	cgcgagagacc	240
ggtgtcgaca	ttgacggcct	gtggatcgac	atgaacgagg	cctcgaaatt	ctgtccagat	300
ccctgtactg	atccagaaa	atattcctcc	gagaacaatc	ttccacctgc	gccaccaccc	360
gtccgggtcaa	gcagccctcg	tcccttgect	ggctttcctg	ctgattttca	gccttcctct	420
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actgttttcg	ttcacgcttg	agagggatat	gccgaatatg	atacgcacaa	tttttatgga	600
acaatgatga	gctccagttc	tcgtgaagct	atgcagaatt	gtcggccctg	aagtgaggcc	660
ctctg						665

<210> 4705

<211> 685

<212> DNA

<213> *Aspergillus oryzae*

<400> 4705

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tcttgagaaa	aagatcgcta	ttcgttccac	atcggagacc	ggtatgtacc	cgtactactt	660
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<210> 4706

<211> 697

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(697)

<223> n = A,T,C or G

<400> 4706

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gcaggcgctc	acacatcggg	agcattgttc	tccctcggtt	ttttcttcc	agttgatgca	180
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gttgcaaaag	gaatcgtcat	gctgagcacc	attgtttctc	ggattttcga	gaacatagaa	540
gatgattaca	cttacaacct	cgcgttggtg	taactgatgg	agtanggtac	tcatttttggg	600
aatatatcat	gattaaactg	ttctctgtct	ttccctaatt	gnttttttga	atggctggcg	660
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<210> 4707

<211> 676

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature
 <222> (1)...(676)
 <223> n = A,T,C or G

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ggagatgcag gccatccaga aacttacaat cccgttggtta caatggatga cctggaggag      180
atacttggtg tcgaacgatt cgaggaagag atcactgaga agcatggtcg tccgggagtt      240
gttaccggtc ttgtcgttta ctctactgga ggacagggca gcacccgtgt catcgaagtt      300
gcagatatgc caggaaatgg ccgcgtgcaa cttactggaa aactcgggtg cgtcttgaaa      360
gagagtgttg aggttgccct aacatgggtc aaagctcatt cttacgagct gggactgacc      420
ccgatctcca gcgaagatat tatgaagagt cggagtttgc atgttcattg tccttctgga      480
gccattccca aggacggccc ctccgctgga cttgcgcata ctattggact gatctcacta      540
ttctcaaaca aggctgtacc ccccaagctt gcgatgactg gagaggatc tctccgtgga      600
agagtgatgc ctgttggtgg tatcaaggag aagctcattg gggcaactcg tactaatata      660
aagaccgttc tcttgc
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<210> 4708
 <211> 667
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4708
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ctttgccact ggtgctaate ggggagggtc cttcgggtggc gcggtgggcc ggggaggctt      120
ccagcagcca atgggaccac cagcacaagt tctggagatg ggatctttta tgcattgctt      180
tgaggggcgag atggttttgc aatcgatcaa cccgaagatt ccgtatttca atgtccctat      240
ctacctagag aacaaaactc ctatcggaaa agtcgacgag gttcttggcc ccataacca      300
ggtctacttc accatcaagc cccaggaagg aattgtcgca acttctttca agcctggtga      360
caagggtctac atcgggtggg ataagctcct gcctttggag aagttccttc ctaagcctaa      420
gcccgcaccg ggtactgcta agcccagag agccggaggc gctgccaggg gtggtgctcg      480
cgggtggcaga ggaggccctc gtggtggagc aagagggtga cgcggcggat ttggcgctcc      540
taaaggagga ggcggttcc gtggtggagc tagaggaagc ggtggaggct tccgtggtgg      600
aagcgggtgct tctccagggg aggcggcaga ggaggacctc gtggagggtc cgacgttaga      660
cagtctc
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<210> 4709
 <211> 678
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4709
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agcatctccg tccgactcct tgattctttg tactagtttt ttccagcgag agagatatag      180
aaaatgcctt cgatgtacac tcgtcttttc gctgcgcttt gcgctcttgc gacctgca      240
aatgcccgtc ccaccatcga agtgaagggc aaggactttg tcaacagcaa gaccggtgat      300
cgtttccaga tctgggtgt cgattaccaa cccggcggtt cttccggctt cacgaaggac      360
aaggacccn tttagagaaa ggaacgatgc ttggttgatg ccgtctctat gcaagcgttg      420
ggtgtgaaca ccactcgtgt ctacaacttg tgcggagcc ttaaccatga cgactgtgct      480
tccattttca agctgcccgg catctacatg atcctggatg tcaattcccc tctgtacggc      540
agctacattg accgtacggc tcccaagagc agctacaacg ccgtctacta cgaacaggtc      600
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gaaatgatac actagccc
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<210> 4710
 <211> 674
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(674)
 <223> n = A,T,C or G

<400> 4710
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 catgctcagc cgtaatatcc agcccacat gcacacgtac aagttgctca tcgacgcaca 180
 cgctctctt gagcctgtgg atatgaaggc tgcggagaag gtactcgaaa ccatcaaagc 240
 cgccggacag caaccagagg ccgtacacta tgcattcttc atccatgctc atggctgtgt 300
 gatgcatgac atgaaagctg ctcaggacgt cttcaactcg gtctgtctca acagcaaagt 360
 gcgactccag ccatgcctgt accaggccct tctagaggcc atgggtggcca accaccagg 420
 cgcacaaact gaggacattg tgaaggatat ggtccagcgt aggggtcgata tgactgccta 480
 caattgcaac actcttattc aagggtgggg caactgagggc aaggtgagga aagccaaggc 540
 catctatgat agcattgggtg tggacaagcg ggagccagc acttatgagg ctatgacccg 600
 tgcattcttc atggcgaaac agcgagagaa cgctctcgc attgtgcaag agatgctgtc 660
 tcgtggatac ccn 674

<210> 4711
 <211> 1038
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(1038)
 <223> n = A,T,C or G

<400> 4711
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 ctgccagtct aaggaccagg tctcaagga tgttgccctg atcaagcaga agggcttcac 180
 ccacgtccgt gtctactcca ctgactgcaa cggctctcag tacattgggtg aggctgcccg 240
 tgagaacggc ctcaagatga tcattgggtg cttcatctcc agcaccggca tcagcgggtg 300
 ccaggagcag gtgaccgcca tcaactaagt ggccagtggt gatctgggta cctcgtcgt 360
 cgttggtaac gaggccatcc agaacgggta caccgatgt tccagcctcg ctggcttcat 420
 ctccctcttg aagtcctct tccaggcttc cggctactcg ggccaggcca ccaccaccga 480
 gccatcaaac gtctggcagc agtctggcag cgctctgtgc ggtgccgttg acatcctcgg 540
 tgctaacctc cacccttct tcaacgccga tgttaccccc gaccaggccg gtagcttcgt 600
 ccgtgctcag atcaaggacc ttgaggccgt ctgcaacaag gacgtgatca accttgagac 660
 tggctggcct agcgcgggta agcccaagg caaggccgtc cccggtactg cccaqaggc 720
 tgccgctatc aaggctctcg ttgaggaggt cggctctcag tccgtcttct tctcctactc 780
 caacgacctc tgggaaggat ccggcgaggt tgacgtcgag cgctactggg gttgcattga 840
 ccagttcaaa taaatgatct cccggatgtc aatagttaag gatctttaag gcttggaggt 900
 ttttcgttct gcttgcctcg gaaataccga cagctnttat taactntttt tcttctccat 960
 atactttgaa ttgagtagat ataaccttct tatttcatgt gtcgatctcc cggagcattc 1020
 tjtnttcttg gtttggat 1038

<210> 4712
 <211> 670
 <212> DNA
 <213> Aspergillus oryzae

<400> 4712
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 gcgtatcgcc ggtctggagg tccagtctcc tgactcgttc cccattgagt cgttgattcc 120
 taaggagctc gagtccgtac cctccactgc tgatggatc aaggaattca tgaccgcgtt 180
 gcccgagttt gatggtcaga tgcggctat taaggaggct gctgagaagg aaggtaagg 240

tgtgcgctac	ggtggcagcg	ttgatgttgg	taagaaggag	gtccgtgtcg	gtctgcaata	300
cttcgataag	gatagctcca	ttgctgggtct	gaaaggcagc	gacaacatca	tcagcttcta	360
cacgaagcgt	tacggtggta	acccctcgt	tgtccaaggc	aacggtgctg	gtggtgacgt	420
gactgccatg	ggcgtgtccg	ccgacctgat	caatgtcgtg	cagaaactgc	agtaagccac	480
tttatcaaaa	gaccaaagaa	cggtctgact	tagatttgat	atacaagaaa	cccgcaaagt	540
tattgaagaa	gaacaccccg	aaatataatt	ataaaaatttt	ataacataaa	gataaaaattc	600
ctgggcgcgt	cgacctgctt	ttaaaggggc	gataatggta	taagttttta	cccctaaatt	660
tacccccccc						670

<210> 4713

<211> 668

<212> DNA

<213> *Aspergillus oryzae*

<400> 4713

cyaggettgg	attctatbttc	cctgtctttat	cgnatcacct	caattcgtca	aaatgactqa	60
cttcagagag	atcgctcagc	agttcgttga	gttctactac	aagaccllog	atgaaaacdg	120
cgggcagctg	tctgggtctct	accgtgacca	gtctatgctc	actttcgaga	ccagctccgt	180
tcaaggcgtt	cgcgatatca	ccgagaagtt	gacttctctt	cccttccaga	aggtcgttca	240
ccaggtcagc	accctcgacg	cccagccttc	taatgaggct	ggtgggtattc	ttgtcatggt	300
gactggcgct	ctgcttgtcg	acgatcagca	aaaccccatg	aactacaccc	agactttcca	360
gctcttgctt	gacggagctg	gaagctactt	cgtcttcaac	gacatcttcc	gtctggttta	420
cggtagctaa	atcaagatc	gtggaggccg	atgttgatg	ttagggttctg	ggcggggatc	480
cagcttatga	agattatgat	tatgagggga	taacagctct	gctgctactt	cttctgctgt	540
gagaatggct	tgcttcgatt	tcctagctgc	ggggtagcaa	tgtgggtgtt	ggacgttact	600
ttccctgtta	tacactggct	agacttgaaa	ctgtatcaca	tcgtctatca	aggcttttgt	660
cctgtctt						668

<210> 4714

<211> 676

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(676)

<223> n = A,T,C or G

<400> 4714

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ataagcaagt	caccgttgaa	cttaactcaa	caacagataa	cccactgata	gatcccgaga	120
cgggcgatat	tctccatggc	ggtaatttcc	aagcggtttc	cgttacttct	gcgatggaga	180
agacaagatc	atgccttcag	atgcttggca	ggctcctctt	ctctcagtct	actgaactgg	240
tcgacccaag	ccttaacaac	ggcctcccta	ccaatcttgt	cgccgatgac	ccaagcctct	300
ccttcactat	gaaaggcgct	gatattagca	tggttcata	catggcagan	gtggcttacc	360
ttgccaaacc	ngtaagctcg	cacgtacaag	cagcggggaa	tgcgcaccaa	tcaatcaact	420
ctatgggctt	tggatccagt	ncgtacacca	tgcangcagt	cgagatagtg	tcgctcatgt	480
gcgctngtag	tctatacatg	gnatgccagn	cttnggatct	ncgagtactg	cattttgacc	540
tacctcgata	acatcaagnc	ccaactncat	ctgcttactt	ncatcttttc	ttcctcatac	600
ctatcagaca	aagagtctqa	aactttggac	gnatcactct	tggaaaacat	nttcadadag	660
ctggctggcc	acaacc					676

<210> 4715

<211> 735

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(735)

<223> n = A,T,C or G

<400> 4715

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catttcgcat	ccaagccgag	tgtttcaacc	tttcaaccgt	gtcaattggg	cgaatccttg	180
aaataaccga	atgctgttta	taaatgtaca	aacctttgcg	ctggaggagt	tcttcaacga	240
gcaagtccct	ccttacgcca	tactttcaca	tacgtgggga	aatgatgaag	atgaagtgtc	300
atttcgcat	attaccgaga	gaaataccgg	ggatgccagc	tggccagtta	aattcaaggg	360
ctgttgcgaa	cgtgcagaaa	aggatggctt	tacacatgca	tggatcgaca	cctgttgtat	420
tgacaagacc	aactcagtcg	aactcgggtg	agccatcaat	tctatgttcc	gatggtatag	480
caatgcctct	gtttgtctatg	tctattttct	cgatgttact	accgacgac	gcaaacagtt	540
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agcaccgagt	cgtcttcttt	tctttaattc	acagtgggtg	gatattggca	gtaaagccca	660
atgggcangc	ctgacgaaa	cgatcacagg	catcttgccg	gcattcctnn	ctcgagagaa	720
cggtgtcaga	ggcaa					735

<210> 4716

<211> 688

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(688)

<223> n = A,T,C or G

<400> 4716

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gagatggatc	aatgatcatg	gatcacgaga	tctgtatctt	gaacggagac	ctgaactatc	120
gtatagactc	tataccacgc	aacgtcatca	tcgaggacat	tcgcaacaac	cgattcacca	180
agttgctcga	gcgagaccaa	ttgctggcat	caagacgcaa	gaacccaggt	ttcgtctgc	240
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ggggaatagg	ccgggtgaag	caacttgaat	accgacgaca	cgaagccaga	gcctctgac	420
accgtccagt	cagcgcatcg	ttcaaactcc	gggtcaagac	cgtccaaccc	aacgaacgcg	480
ccgcagtcctg	ggaatcctgc	cagcaggagt	tccagaagga	aaagcgccga	cttgccctcgg	540
aagcaagcat	tgaatacctc	atcagcgctc	tcggcaccga	accccaacaa	gcccgcgcac	600
tgattctggg	gaatgggaac	tnaatcagcc	tatcctcaca	cccccttcgt	tcattgggtc	660
cctacatgca	ggtacattgg	ctatngaa				688

<210> 4717

<211> 707

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(707)

<223> n = A,T,C or G

<400> 4717

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tctccgcaaa	acaacaccag	actcttctct	ctaccacaga	ccatcgctccg	gggggtccga	120
gtatqcaqag	caataaggag	acggcactcg	accccgagcg	caacccacag	ggcgagqqqg	180
aggtgcggac	atctaaccgac	cargacatgc	taatcgacga	ggctgcccac	gcgagtagtc	240
acatctccgg	catgaagtgg	tatctcattg	tgetaagtct	attgctcgct	gtgttctgcg	300
tggctctcga	taaacaccatc	ctgtccggtg	ccatccctcg	catcacggat	gaattccacc	360
ggctgaacga	tattggatgg	tatgcgtccg	cttatctact	gactacgtgt	gccttccaat	420
tactatatgg	caagttatat	gcccctcttca	gcaccaaatg	ggtctttctc	gtcgccctgg	480

gtatttttcga	agtgggctct	ctgatctgcg	gcgtcgcacc	gtcgtccggt	gttctcatcg	540
tcggccgtgc	catcgcgga	gtggggagct	cggggatctt	tacaggtgct	ctggtcacca	600
tcgcgcatat	tgtgcccttg	gccaaagcgac	cagtttacat	ggggctcttg	ggggggatgt	660
acgggattgc	gtcagtggca	ggccctctgt	tggggggcgc	cttcaca		707

<210> 4718

<211> 679

<212> DNA

<213> *Aspergillus oryzae*

<400> 4718

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gtaataaacc	aattgtatcc	gccttcattg	cccgtctctg	tttaatttga	cttaagtcaa	120
ttaatcaacc	ggtttatcgg	aatcattctc	ttgtagatcc	gatctttgaa	tacttgacaa	180
gcaatcatgg	gtgtttcaat	cgttctgggc	agccagtggg	gtgatgaagg	aaagggcaag	240
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ctgatctccc	cttcattgat	caaccttacc	gggtgctgga	cgttggttca	cgttcccagc	420
ttcttcaagg	agttggcttc	tcttgaagag	aagggtctcg	aggggtgctag	caagcgcatt	480
ttcattttcg	aacgcgcgca	tgtttgccct	caattgcact	ccggtgtaaa	tggttttggg	540
agaggccaaa	ctgggtgggt	cgaaaagtgt	gtactaactg	gaaaggcatt	gggtcctgct	600
acagagaaaa	agcttcttgc	aagggtattc	cgcgtgggag	agatcctgga	tgaagcgggt	660
tttcaacca	aattaccg					679

<210> 4719

<211> 668

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(668)

<223> n = A,T,C or G

<400> 4719

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tactaagggt	atcgatgaca	tggtcctgaa	gctgtttggt	gagaggggag	ccatggccgt	120
tcgccgctgc	aagaaagagg	atctccgacg	cattgccaag	gcttccgggt	cgacactggg	180
cagcacgctc	tctgatctca	acggagatga	gaaattcgag	gcctcgtacc	tcggccatgc	240
ggaagaaaatt	gtgcangagc	ggatatccga	tgatgaatgt	ttctttgcaa	gggtcccaag	300
ttcacacctc	aacttttatt	attctttggg	gggcaagct	ttaacttggg	acaaaatgaa	360
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aaaccttggg	ggaaaaccct	ggttaagaac	ctgttccaac	ttggtggccc	actttttgtc	600
ccccccccc	cttatccacc	gtgggcaggg	gtgggtcccc	cagtaggagg	gagaaggccc	660
ttcttaag						668

<210> 4720

<211> 653

<212> DNA

<213> *Aspergillus oryzae*

<400> 4720

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gggggaacta	ccacatcagc	gaggatnact	acccatagac	attattatag	acggaaatat	120
gaaccccaaa	tagcacgggc	ccaaagttag	ctactcagtt	atccacgcac	gtgattgatg	180
gtaattccac	ccgatccgtg	tttaaattgg	agactgaatt	gcccagtcac	tcgcgagccg	240
tgcatagtag	aaggggatct	caaaccttca	ctagtgttta	ccggtgactt	gatcgcccg	300
caatttttgc	actgcttact	tggccatgtc	accaagagcc	accatgcaga	ctgtctgccg	360

gattcctagg	cctatacggg	gagtaactgc	acgggtgaaga	cccttaagac	cgttgggtctc	420
gtagatgtac	ttgaagggtt	tgccaacggt	caagttctta	agccgggttg	ggtcgtgctt	480
cttactctgg	atgtgcacgc	gaatgacttc	aataggctgg	ttccaagcag	agagaccacc	540
accgaggcgg	gaagctaaga	ccttgtccat	tgcactcagt	ttttggcctt	catgcttggt	600
ggtcaccttt	gtgaattggt	gaatctgcc	gaccagaaa	aaccggacga	gat	653

<210> 4721
 <211> 684
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(684)
 <223> n = A,T,C or G

<400> 4731						
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tcacagcttta	ttttattgga	tcctgttccc	catcaccatt	gttatgatac	tgacaggtat	120
ccttcgtcac	tatgctacag	ttttgatgaa	cacccctcct	aagcctgctg	ctactctggc	180
cgaatcccg	gagcgtctct	cgtccctgcg	cggagtcaat	ctccgcaaca	atgcttcagc	240
agtcctctct	aaagatgcgt	ttgaaatgcg	caagaactat	cttgtctcag	cgtaccaaag	300
tggcgagttc	ctaaaggacc	cggccagccg	cggtcacccc	ccagcaaatac	cgatgactga	360
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cttggacgtt	aggtgggtat	ccagtttgct	atggtacttc	ctcaatttgt	ttggtcttca	600
gtctgtgttc	gggttccatc	tgggtagcga	caacgctgcg	aatcacatgt	cccaacanat	660
ggctactatg	aacctgcca	tggg				684

<210> 4722
 <211> 861
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(861)
 <223> n = A,T,C or G

<400> 4722						
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ggcaaccgct	ctcacttata	aactcgaaac	caacgaqaaa	gcttggtttct	acaactatgt	120
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acgtgcgcaa	ctcccttgcc	gacaggggtc	cagtcocgag	caggccttct	ggatccaaga	420
gtccgtatac	aagctttgcg	accagctttc	gaccatttgt	cgaaaccaga	aatacttaag	480
gacccgaqag	aacccgttact	tcagccactgt	tcgtagcaca	gaacgtcaga	tcctttaactt	540
tacgcgtcatt	gagggctcga	tgatgggtatc	gatgggttga	ttgcaagtct	ttgttgaaaca	600
ggggttcttta	caaagtgcga	cgtaggggtta	cgtgtgatga	gcattgaaatg	tgtctatgna	660
cjatgatcga	gggggtgacac	actgaatcta	cctctgagta	cataggtcta	cactcatctg	720
gtattatgat	canatgtact	aatcgggttc	acaaggcata	ccagtcacta	aaattccaaa	780
tctcctgcgg	gcattgtcat	catgcactta	agaggatccc	ttcattgggt	tgattttgtc	840
actccacgct	ttccggccatg	c				861

<210> 4723
 <211> 678
 <212> DNA

<213> Aspergillus oryzae

<400> 4723

cggtgtcggc	gtttatgact	tcacccagga	tgaaggctcc	tgtgccctga	atatcatcgt	60
tgaagcacgt	gtaaatatca	cggtaacgct	ccaaggcagg	gaaggggttc	ttgaagtctt	120
cgaactgaat	gacaatgcca	ggccaacgct	ccgtaagagc	agacatcaac	tcatccatga	180
actcccgcct	ctcttcgggc	gtaatcttgt	cacgattgct	acccatgtac	aacgggtctt	240
cccgagggtt	cttggtgctt	gttcccagat	ccaaagtcaa	aagcagggtg	gcctcggggc	300
gaatacctgc	acatgcagtg	tagagcgcca	acttgcaatg	ggaatgccc	ttccattaat	360
gccaacgtcc	gcccaggcga	aaattctgga	accatctgtg	atgcatgtga	acctcacatt	420
gtgcttgggc	caattggcaa	tgaccgcaac	aagattgccg	ggaactttcc	actttaagac	480
catcctttcc	gttgctggat	aatcttgaac	attttttgca	aactttaacg	accaaccggg	540
gttataacca	aagggggaaga	ttccttaata	taatccctac	caaacgggta	aatataatcc	600
cttgtttttg	caaaaagggt	taggtaaaca	atttcaaaaag	tgggttggtt	aagggcctta	660
tgcccaaaat	tttttgct					678

<210> 4724

<211> 679

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(679)

<223> n = A,T,C or G

<400> 4724

gaacccgacc	acgggcactt	atatcacaga	gttttccaag	tgtacgatcg	gaaacatttg	60
ctcggccctg	ggtggcaata	gtgtcaagtc	cagttgcctt	tctgacaacc	gggggggtcac	120
caoctatact	ggccatcaat	gtggcaatgg	cattgttgag	tcgggcgaag	actgcgactg	180
tggcggggaa	gaatcctgcg	gagacaatag	ctgctgtgat	gccaaaacgt	gtaagttcaa	240
gagcggcgcg	gtttgcgatg	atgccaatga	cagctgctgt	tcgaagtgcc	aattctcttc	300
tgctggaaac	gtctgccgag	ccagccgtgg	tgaatgtgat	gaggaagaaa	cgtgcagcgg	360
tacttcgagt	acttgcctt	ctgattcctt	caagaaagat	ggaacgaaat	gtggcgattc	420
ctcggccggc	ctaaacttgc	ccagcggaca	gtgtactagt	cgagattacc	agtgtcggtc	480
cgctgtgggt	agcttgctgc	acaacaacga	gacgtacgct	tgttctgcat	atggctcgtc	540
ctgtgaagtg	gtctgtctcc	tcaacacatt	tggtcaatgc	tacggcgctc	acccaaaactt	600
cttggaacgg	accccttgga	acggtggtgg	ccattgcaag	aacggaaaa	gccaccggtc	660
tagcgtcaaa	ggctggatn					679

<210> 4725

<211> 667

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(667)

<223> n = A,T,C or G

<400> 4725

gaacatcaag	ccccagggtt	accgctacct	gatggccaac	ggccggccaca	tcatectctt	60
tgtctgagggt	cgtcttgtca	accttggtgt	tgcactgggt	cactctcttt	tcgtcatgtc	120
ctgctctctt	tccaaccagg	tcctcgccca	gacgcctctc	tacaaggccg	aggatgctga	180
gthtggcaag	aagtacgttg	agttcggcac	cactggcaag	aaqcccqtcg	gtgtctacgt	240
cctccccaa	gtcctcgacy	aacagggttg	tctgtgccac	cttgagcaag	tcaacgcoga	300
gctctccaag	ctcacccttg	tccaggccga	gtaccttggt	ctccctgcgg	agggctcccta	360
caaggccgac	cactaccgct	actaaactcc	tcctttccgt	ttgttggtga	ttgggtatacc	420
ctaaccctaga	ttcttttcaa	cattatcacg	atgttaacga	taacatagag	tcccattttaa	480
ctthgggtca	aaagtatttt	gtcttcaacg	gcaataaaa	tggcatatat	gggggttatt	540

acngataagt gttatgggtc ggcttgcccta ttttgcattc aacagtgcgt actgatgggg	600
catgtcttaa tgtaatggt tggcgattaa atgaaaccca gaacggaggc ctgctatata	660
gcattta	667

<210> 4726
 <211> 681
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(681)
 <223> n = A,T,C or G

<400> 4726	
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ggacatcaac atcaacaaaag ttcaagaaaa gatgtttatt aaactllltaa acaaagcgct	120
tctagtgttt ggtctgctgt cagctggcac gcaagctgca actattcgct tggaccctcg	180
cgcaagttcg ttcgattaca atggcgaaaa ggtccgcggg gtcaacctgg gtggatggct	240
tgtgcttgag ccttgatta caccttcaat ttctgatgcc gctggtgccg aggcgcgcga	300
cgagtggtea ttgactaaga ttctgggcaa ggaagaggct gaagcccgcct tgcgcgtca	360
ctggaagtct ttcgtctctg cgggcgattt ccagcgaatg gctgatgccn gactgaacca	420
cgctccgaatc cccattggct actgggctct tggacccctc gaaggagacc cttacgtcga	480
tggtcagcta gaataccctg acaaggcggt anaaatgggc tgagcggcgg gcctcaaagt	540
tctgatcgac ctacnctgc accgggatct caaatggatt cnacacagcn gtcggagagg	600
agccatncat ggcacaaggg gacactgtga gcagaccctg atgcttcnac ctgctgccga	660
acgtaccttg gctcgaaacc n	681

<210> 4727
 <211> 653
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4727	
tttctctaca acagtcgcaa tcatgtctaa cgataaagga ttggaagaga tccctgaggg	60
acagatcgag accaactacg atgagatcac cgactccttc gacgccatgg agctgaagcc	120
tgagttgctt cgcgggtgtct acgcctatgg tttcgagcgt cctcttgcta tccagcagcg	180
tgccatcaag cccatcatca aaggtagcga tggtatcgct catgcccact ctggtactgg	240
agagactgcc actttctcca ttgctgctct ccagaagctc gaccccaatg ttaagggtctg	300
ccaggccctc attctcgccc ctaccctgtga gttggctcag cacatccaga aggtcgtcgt	360
tactatcggg gagttcgtga acattaccct gcccgccttg attggtggga cgtgggggtcc	420
gtggggggatc tatggcttca tgacaagggg cccgatgggg ccccatgacg agatgatatt	480
tgtcgtccta atattccgct ctgtctagaa gtcaccatcc tttgtatgcg ggacgtgaag	540
atgtgatgcg gtgctttcat gaaatgacgt caccagaaga tgctgatatg atgcagacta	600
tgagctgaga tgatgtcttg gactacgatg tcatgacggt gagaattatg atc	653

<210> 4728
 <211> 712
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(712)
 <223> n = A,T,C or G

<400> 4728	
cgaggccctc tegtccacct tcccgtcaac aaggatacca agccccagca ggaggcccg	60
atcctggagc tcatcagcga gcacaacatc gacctcgtcg tcttggtctg ctacatgcag	120
gtcttgctcc ctacctgtg cgaggctatg tccggcgca tcatcaacat ccaccacagc	180

ttcttgcctt	cggttcaagg	cgccaagccc	taccaccagg	cctacgaccg	cggtgtcaaa	240
attatcggtg	ccaccgcgca	cttcgtcacc	agcgatctgg	atgaggggtcc	catcatcgag	300
cagaacgttg	tccgcgttaa	ccacggcatg	agccccaagg	agttgaccca	cgctggcagc	360
aacgtcgaga	gcaacgtgct	ggccgcgcgc	gtgaagtact	tctccgagcg	caggggtgtg	420
ctcaacggac	acaagactgt	ggtcttcaac	tagacgcttn	ctggatatat	atgtatatat	480
gcatcaaaag	ctggaataga	caaaaaggac	gaataaatga	aaacaacctt	ctacagtcag	540
gtcaggtcca	ctctaaagcc	gaacaccctc	aaaaggatga	ttatcctnct	cttcctccca	600
ctgcgcagca	tataatgaat	ccccatctg	cgaacgatnc	attccggcnn	atatatccct	660
anaaccatt	agcctacttc	cataaaaacc	ccaagccgaa	tnngagagaa	nn	712

<210> 4729

<211> 636

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(636)

<223> n = A,T,C or G

<400> 4729

ggaaagaccg	ttgttgattt	cggtcagaac	ctcgtcggtc	ggttgcggtg	ccgctgcata	60
aacaaacccg	aaggagagag	agtcacattc	acacatgcag	aggtcttgga	gcacgggtgag	120
ctaggaactc	gcccattgcg	agccgcaaaa	tgcagagatg	aatttatctc	tgccggaaaaa	180
gaagtcactg	attggacccc	acaacatacc	tttcacggat	tccgatatgt	acaagtagag	240
ggttggaactg	atcaagatcc	acccttactt	acaaaccttg	tggcattggt	aatgcacact	300
gacctaaactc	gtactggtcg	gttccaatgt	tcacacccga	tggctaacca	gttgcacag	360
aacgcctggt	ggagtatgcg	cgggaaacttc	ctttccatcc	caacggactg	tccccagcga	420
gatgagcgcc	tccgatggac	aggagacatt	cagggtttct	ggccttcggc	gaattttctc	480
tacaatacgg	ccggtatgct	ggggcactgg	ttggaagatg	tggctgcana	acaactcaaa	540
gaaaggaacg	gctgcgtttc	accattcata	gtaccaatg	tgatcagcga	agaagtgtgg	600
ccgcattatg	taccccaagc	aattgggaag	atgtag			636

<210> 4730

<211> 735

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(735)

<223> n = A,T,C or G

<400> 4730

cttcacacaag	gccactggta	acatcgcccc	tgacatgggt	tttgteccca	agaccgcgca	60
ggaatatgct	tcccgcatcg	gcaagacccat	tcacgacctg	aacgaattga	tggaggagac	120
tcccatcgcc	actgtcacca	acctcattct	ccagcagctc	ttcggatggc	ccatgtacct	180
cctgaccaac	gtgaccggtc	acaacaacca	cgagcgccag	cccgagggcc	gtggaaaggg	240
aaagcgcaac	ggctacttgc	gcggtgtcaa	ccacttcaac	cctagcagcc	ctctgtacga	300
ggccaaggat	gctaaqttga	ttgttcctgag	tgacctgggt	ctcgccatca	ccggatccgt	360
cctctattac	atcggttcca	cctatggatg	gctcaacctc	ctgggtgtgt	atgggaattcc	420
ttacctctgg	gtgaaccaact	gggtggttgc	catcacttac	ctccagcaca	ccgaccccaac	480
tctccctcac	taccagcccg	aggtgtggaa	cttcgcccgt	ggagcccgctg	ccaccattga	540
ccgtgaacttc	ggctttgttg	gtcgtcacat	cttgccaggt	atcattgaga	cccacgtcct	600
tcaccactac	gtcagcacca	tcnctttcta	ccacgcccag	gaggccagcg	aggccatcca	660
gaaggtcatg	ggctcgcaact	acggcacgga	ggcccacact	ggctggagcg	nattcttcca	720
gctctcttca	ccagc					735

<210> 4731

<211> 816

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(816)

<223> n = A,T,C or G

<400> 4731

cacttacgat	caagaacgca	gccatgggtg	tgcaccgtcg	tcctccacca	gcataactg	60
ctcctccaga	gtcaactgtc	catgcttctt	ctgaaattta	cagagccatc	tcgaacaccg	120
cctcagacgc	ctctcagaga	accctagaaa	catctttcac	catccgtcca	tgctctggac	180
aagcatggat	tgtaccagct	ggacatgtct	gtcgtctgac	tactccaaaag	ggcccccaag	240
tgggtgatct	gaacatatgg	aatgcaaaca	acccccgaga	gcgactgtgg	gcagcgcgca	300
cccgtaaaat	tcattgctct	cacgtatccg	ttggagaccg	tctttggtct	aaccttccat	360
atctccggcc	gcttggtacc	atcaggggtg	attcacttgg	cccccacac	ctccatqaa	420
tcctcagatg	agggggtaa	gggacaaaag	gcttcgggaa	gagcgaatgg	ggaggacgag	480
ttcatgatct	tctgggtacc	cgatgcgac	cctatgtgaa	tctgctgatg	ggtggcgagt	540
cattcgactt	ccattgccat	togaatctta	cccgctctgt	actcccatat	ggactgacgg	600
agcttgatgt	gcacgacgtt	ctaaatgtgt	tccaggtaac	tggactggat	gaagaaggga	660
aatacttcat	gggaaacttc	cccggcgagg	ccaggagaat	atntcgagtt	ctttgccgag	720
gctgatgttc	tggtgtgcac	tctcagcttg	tcctgggtgg	gatttgtcta	attgggggtg	780
ggaggaaagg	ggcgaaaaca	tggttaaccac	taccgc			816

<210> 4732

<211> 636

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(636)

<223> n = A,T,C or G

<400> 4732

caagaacgcc	ctggagggtc	agcctccaac	gaagtctacc	cgctcctcaa	gtcgtcctcc	60
gaggccgaaa	aaccgcaaga	aggcaccctg	ggaaacgctg	aattatgggt	cggatggagt	120
gaaggacaa	agtattttca	gccttcctac	ttccgactac	aaggccttgg	ttctcgtcac	180
cttggtcgct	actgctgtcc	gtctctttag	aatctatcag	ccgacaagcg	ttgtcttcga	240
cgaagtccat	tttggtgggt	ttgcgtcaaa	atatatcaag	ggccgctttt	tcattggatgt	300
tcaccgcaca	ctcgtctaac	ttcttattac	acttgccgggt	tggttggtcg	gattcaatgg	360
cgtattcgat	ttcaaggaga	ttggaaaagg	ctatttgcca	gcaagagtcc	catatgtggc	420
aatgcgaatg	ctcccagcta	tcattgggtgt	gcttacgggt	tccttgatgt	tccttgacatt	480
gaaagcatcg	ggatgtcgca	ccacgactgc	cgtgctatgt	gctcgtgtgg	tgatattcga	540
gaacgcctcg	gtcaccacag	ctcgtctgat	cctcttagac	tcgccgctgg	agttctttac	600
tgcactcag	gncatgtcat	tcacatcttt	cacgaa			636

<210> 4733

<211> 706

<212> DNA

<213> *Aspergillus oryzae*

<400> 4733

tgcctcgag	aagggcactg	gaaagaccaa	caagatcacc	atcaccaacg	acaagggccg	60
tcctcccaa	gaggagattg	agcgcattgt	tgccgatgcc	gagaagtaca	aggctgagga	120
tgaggtgag	gcttcctgta	tcacggccaa	gaacggcctt	gagtccttat	cctactccct	180
caagaacacc	atcagcgagg	gcaagcttac	catctctgac	tcgacaaagg	agaaggctac	240
cagcaagggt	gatgagatca	tcgggttggt	tgacagcaac	cagaccgcca	ccaaggagga	300
gtacgagtct	cagcagaagg	agctcgaagg	tggttgccaa	cctatcatct	ccgctgctta	360
tgccgggtgc	gctgggtgct	ctcctggcgg	tgctcccgcc	gctgcccccg	gtggctccac	420

tcgcaccgct	gacgaggttg	aggagaagcc	cgaggagctt	gactaaatct	cttgaccggc	480
aatgtttttc	ttctacattc	ttgctgttgc	ggatgggcga	tcggctttta	atggtttttg	540
tctttaatac	tctctgcttg	tctcttttta	acgaatttat	gggatttttt	ttttgtgcat	600
ggttggtaaa	atccgagttt	ctttcccacg	cctgggtgaat	tgccgaactt	gggaggggaa	660
aaagtctcct	tccaaatggt	caaattcttc	tttaacaaaa	aaaaaa		706

<210> 4734

<211> 667

<212> DNA

<213> *Aspergillus oryzae*

<400> 4734

cgtgctggtc	aaccgtcaat	tctccattgc	aaccatccct	accttcattc	cccctcgcag	60
caatccacac	aactctatac	catttccgga	atcttccctc	caatcgctcc	ataacaacaa	120
atcgaaaaga	tggcctccac	caactacaaa	gaagcggtct	ccctcttcga	taagcgcggc	180
tcgggcaagg	tctccctgga	gtccctcggt	gaactccctg	ggcgtatggg	ccagaatccc	240
acccctcgct	agatcgccga	actggagaa	ggccttggcg	gagacttcga	cttcgaatct	300
ttcgtgaagg	ttctcaaccg	tccaaacggc	ttccgcgac	ctgggtgagg	cgaggaatac	360
tgcgcgggat	tccaggtgtt	cgataaggat	atgaccgggt	ttatcgaggt	cggtcagctt	420
cgatacatte	tgacgaactt	gggcgagaag	atgtcggacg	aggaggtcga	tgagctgctc	480
aaggcggttg	ataccagctc	gggtgagatt	aactacactg	acctcggttc	caccattctg	540
gccaaactgat	gattgatata	cgatacccta	tgttctatga	tattatgaga	atcgctcgag	600
gggcggagtt	gggctaagtt	tcagttcgtt	tgtattgtat	atcgggttca	tatgatattg	660
atagcaa						667

<210> 4735

<211> 672

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(672)

<223> n = A,T,C or G

<400> 4735

cccctctatc	gcaagcatta	tcgagccatc	gtcagttcct	tctctgaaag	tgcttgcatg	60
cggtggggag	aaactctcac	gggaagtagt	catgaagtgg	gcccctcgtg	tgaaactgat	120
taatggctat	ggaccaacag	agacaactat	tttcgcggtc	ctgaacaatg	tgaccccaag	180
caccgatcct	gcttgatttg	gctatggcat	tccgtccaca	ttgacgtggg	ttgttgacct	240
tgaaaatcac	aaccggctct	ctccccctgg	tgcatagga	gagctggctt	tggaaggtgc	300
tgtctttgca	agagagtacc	tcaaaaagccc	ggagaaaaac	gcggatgcct	ttgttaatga	360
gccaacatgg	atcagagact	tcccagctc	cctaccttca	cccaggagga	tatacaagac	420
tggtgatttg	taagatacaa	ttcagacggn	tctatngaat	acatcagccg	taaggaccca	480
caanngtcaa	atcacggctc	ncgtatggga	gctcgtgaaa	ttgagcaccg	acttgtgcga	540
agatcgccgg	gtgcgttaag	cccgtgggat	tctaccatat	cagggctcat	tcaaaaaccgc	600
ttggncgcgg	ggttgcttta	aaatttttga	cctaggaacc	ggctaattct	gaggggcatt	660
caacttatta	cn					672

<210> 4736

<211> 679

<212> DNA

<213> *Aspergillus oryzae*

<400> 4736

gagaaccgtg	acattctgat	gttctgttad	gaagtcacaa	aggagtcata	tcaggagcgg	60
gtgcagactg	caagaagaag	tttatctgct	tcagaagaac	actttctgat	taagcttcat	120
ggaccaaaag	gtgggtgagaa	acgaggcacc	acttcttctt	acgtttacaa	gttgactcgc	180
tttgcccttg	atgtcccttc	ctcggtcttg	agcaagtttg	actcactact	cacgccagcc	240
aatgtggctg	gattcccttc	tatcattggc	qatttcgctg	tccaggggca	ggaggaagtt	300

aaaatctcgg	cccttcgact	gctgtctaca	atgatcaagc	ttcctcttgc	tgagcttgat	360
aacaactctc	atgtgtatct	cactgaggct	gtcaagatta	ttaaggaggc	gccgagcaca	420
aacactgagg	ctgcccaagc	atcggttgaag	ttgattgagg	ccatgcttcg	ggagagaaag	480
tcgacaaaagc	tcagggatgg	gcattctctca	tatttggtgc	agcgccctcac	ttctgacatt	540
gaagagccag	atcgctcaagg	catcaccttc	aacttcatca	gggctgttat	gtctaggaag	600
ttcgttgctca	ctgaaatgta	cgaagtgggtg	gaccatattg	ccaccatgat	ggtcaccaac	660
cagaccgcgt	ctgcgcgtg					679

<210> 4737

<211> 680

<212> DNA

<213> *Aspergillus oryzae*

<400> 4737

acgtatattt	tctcatgatt	tggcccgccc	aaatcataca	gataaaatcg	gtagaccggg	60
gtagttcacc	gtctgtgtca	tcatgtacgg	caaatcactc	atcttggcta	ccactctctt	120
gggaacccat	tctcgagctg	ctgtgtctcc	tcgcgttagc	attgaccatg	atgtgttgtt	180
gggatttgac	cagacggctc	ccagcggcac	caaggcgag	gtctatctgg	cctatcaacc	240
agatctgtat	gtgggtcaacg	gatgcgtgcc	attcccagcg	gtagatgccg	agggtaatac	300
caacgcgggc	ctcgagccaa	ccggggatcc	cagtgggagc	tgtagtagca	gtaccggcca	360
aattctatgtt	agaggcgcca	tatcgggaga	ctattatgcc	cttatgtact	cttgggtactt	420
ccccaaagac	gagccatcca	ccggcctatg	ccaccgccat	gattgggaag	gtgttattgt	480
tttgctgtcc	gactccacgt	cgacctccgc	tgataaatatc	gtggcggttt	gtccgtctgc	540
acatgggggc	tgggactgtt	cgaccgacag	ctacacgctc	gatggttcca	ccccctttga	600
ttcaatacta	cagtgtctgg	ccggggcaatc	atcaatgtgg	actgacaacc	actgtcgggc	660
gggacacaac	ccttgattgg					680

<210> 4738

<211> 648

<212> DNA

<213> *Aspergillus oryzae*

<400> 4738

ccagctcggg	ctattgcata	ccgcacccaa	gatgactcca	gagaaggccg	ctatgtctga	60
acatattgaa	aacgataacc	cagcgaggca	tgatgatatc	gacctcccca	acagtagcga	120
ggcacatacc	gccattgcga	aagaacgtga	gatgactcta	tggcaagcgc	taagacttta	180
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gggcccaata	ttcaaaactct	cgttgtcggc	gagctcttta	tgggcatccc	tcttgggtga	540
taccaaaccg	tgttctgtac	atacgcacac	gaagtgtgcc	ctgtcgcatt	gcgcgcatat	600
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<210> 4739

<211> 630

<212> DNA

<213> *Aspergillus oryzae*

<400> 4739

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cattccgcgg	gtcccaaccc	ctggaaaggtg	gccatgctcc	tcaacgaact	taatgttctc	120
taogaatata	aatatcttca	attcgccgaa	atcaagagtg	agccttctct	caagctcaac	180
cccaacgggc	gtgttccggc	catcgaggat	cccaacacac	gaatcacctt	gtgggagtcg	240
ggcgtctacc	ttgaataact	gattgaacac	tacgacaaag	agaagaagtt	cagtntcgaa	300
gcgggcactc	ctgaataact	ccacgcacaag	caatggctcc	acttccagat	gtcgggtcag	360
ggccctactc	tcggccaggc	agtatggttc	accaaatacc	acccggagaa	ggctcgaaagc	420
ggccgggtgc	gctacgtcaa	cgaaatccgt	cgtgtgtcgg	aaacgatgaa	caatgttctt	480
gcagaccgtg	agtatctggg	cggcgacaag	tacaqttatg	ccgacctctc	cttcgttccc	540

tggttcggca	tcattccctg	gatcaccgga	gatgcatttg	atctggaaaa	ggactttcct	600
catctcaatg	cctgggttga	aagaaataag				630

<210> 4740
 <211> 689
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4740						
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tcttcacatt	ggccaagaag	ctgagcccg	gtgttgatt	cattgacgaa	gcagatgcta	180
tcttctgctc	gcggaacgga	gccagcagtc	gcacatccca	tcgggagctc	attaaccaat	240
ttttgcgaga	atgggacggg	atgaatgacc	tgtcggcttt	cattatgggt	gccaccaacc	300
gaccatttga	tctcgatgat	gctgttctgc	ggcgtctccc	taggcgactg	ctcgtggacc	360
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ctcagcacca	gggcgacgag	ccctaccaat	acccagaaaag	acgtacgctg	acctggaagc	600
atttcgagcg	tggaatggag	gagatcagcg	cctcaataag	cgaggacatg	tcgtcactct	660
tcgcgatccg	caagttcgac	gagcagtat				689

<210> 4741
 <211> 680
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4741						
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ccagtgcacg	aaccctcggt	cctagacagg	agaacatcat	tgtcttcgga	ggagcgtcag	180
ctccgctcac	acgataactt	tcgatttctc	aatgacgaga	cgaggcgat	gtattcatac	240
ttcctgggtg	atgaatgctg	atgtaggcat	atggatcaat	agcctacctc	gtggagagct	300
tgctgatgt	gccattcgac	gtcgttgaat	tgtactcggg	atcagtcca	atcgaaaagg	360
gtaacagctc	gagaactctc	ttcttttgt	tccagccgac	agtgggggag	cctgtggacg	420
aaattacaat	cgagggttaat	ggggggcccg	gtgctagctc	cctcgaagg	ttctccaaga	480
aaccggcaga	tttgtttggc	caccaggaac	ctatgcgcca	gtcattaatc	cgtattcctg	540
ggtaaatctg	actaacatgt	tgtgggacgt	ttcgattgtc	tcctttggga	tccttcttta	600
atcttcta	tagggttgaa	caaccccggt	ggaacggggt	tttacaagca	cacctactgt	660
tacacttgag	aagaaacgcg					680

<210> 4742
 <211> 901
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(901)
 <223> n = A.T.C or G

<400> 4742						
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ttccagggac	agggaaagac	ggacgagtc	tcaaaagaaga	tgtcttcgg	tttgtgacag	180
tgggggaact	tgcacctacg	tggcaacctc	caacccctac	aatccctana	acccctgtgt	240
cacagcagtc	agatacagcg	gtcaacctga	caccaattca	gtcacaaatg	tttaagacca	300
tgacaaggte	getcaacatc	cctcacttcc	tatttgcaga	tgagctaaac	atcaacaata	360
tcactgctct	gagaaagaaa	ctggccaatg	atccgaagga	ccccaggaga	attaccttcc	420
tctctctcgt	tattaaagcc	gtctctctag	ccctaaatga	atatccaatc	ttgaacgcca	480

aggttgacac	aagcaatccc	gacaagccac	aactcatcat	gcggcccaga	cacaatat	540
gtgttgcaat	ggatacaccg	caaggcttga	ttgtgccaaa	tgttaaagat	gttgccaacc	600
ggtctattga	agatgttgca	gcagaaatct	cccgtctgag	cgccttangt	aaaagaaggg	660
aggctcactc	cagccgacct	gagtggcgga	acaatcaccg	tctcaaatat	aggaaatatt	720
gnnggtacct	atgtcgcacc	attgatgggg	tccaatgaaa	gggctatcct	gggtgttgga	780
aaatccaaga	ccggacccaa	tcttcgatga	ggcgggtcaa	ggtaaccaag	ggtgaattgg	840
aaaatttcac	ttggaatggc	aaacaccgat	tctgggcccg	cgccactatt	gcttcggatg	900
a						901

<210> 4743

<211> 549

<212> DNA

<213> *Aspergillus oryzae*

<400> 4743

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cagaactggt	tgaatcgctc	ttctacgact	ccgatcaatt	gaagatacac	gttaagaaat	120
gttcagacgc	ttggtaactg	ttgttccccg	ggttggcacc	gtggtgtcgc	ctcgcattac	180
cccgggccctt	tccggcattc	aaagccagcc	cgttctcccg	gccccctgca	caaagagaag	240
ctatcacgag	aaagtgttag	atcactataa	caacccccgt	aatgttggca	gtttcaacaa	300
gaacgatgcc	gatgttgcca	ctggctctgt	tggcgccccc	gcttgcggtg	atgtcatgaa	360
gcttcagatt	cgtgttgaca	aggatacgaa	tgtgatcagc	gatgtcaggt	tcaagacatt	420
tggctgtggc	agcgccatcg	ctagttcgag	ttacctgaca	gagttggtgc	gcggtatgac	480
tctcgaggag	gccggggaaa	ataagaatac	tgaattgccc	gtgaactttg	cttgccgccc	540
gtgaaagtg						549

<210> 4744

<211> 577

<212> DNA

<213> *Aspergillus oryzae*

<400> 4744

tcactcttca	cagttcagtc	ttctccaaga	caagcttctc	tcgcttacaa	acttctccga	50
gtctaccctc	gttcaaaacc	aaagccacca	tcacaatgca	gttctccgtc	gccgctgttc	120
ttgctctggc	tactgccgtt	gccgctcttc	ctcctgcttc	tggcactggc	gctggccagc	180
aagtcggaca	ctccaagaac	gacttccctc	tccctaagga	gttgaccacc	aagcaggccg	240
ccgacaagtg	tggtgaccag	gtcagctca	cctgctgcaa	caagaccgtc	aagaccggtg	300
acttcaccca	ggttgaggag	ggtctccttg	ctggcctcct	ctccaacctc	ctcgggtgcc	360
gacagggtc	ccagggtctt	ggtctcttgg	atgagtgcac	caacatccct	gttatcccca	420
tcctctccat	cgcctctcct	caggagaagt	gcaagcagcc	catctcttgc	tgccagaaca	480
ccaagtccag	cgcgcgatgg	gacctcgctg	gtattgggtc	tccttgcatc	gctctcggct	540
ctctcctgta	agcgattgca	ttcgcgaaat	tggtagctcg	aggagcacgg	gatggaaaat	600
gyctatgaaa	tgtttccata	gtgtcctttt	ctgtgtctgt	tactggcatc	tcgtctcgtg	660
gaacctctcg	agtgaga					677

<210> 4745

<211> 694

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(694)

<223> n = A,T,C or G

<400> 4745

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gategetggt	atctctgttc	tctggagtgt	ccgcttggca	ttcaactact	ggcgcaaagg	120
aggctaccag	atcggtcccg	aagactaccg	atgggcaatt	gtgcgctcaa	aggtcaacaa	180
ccgattcggt	ttcttcattt	tcaacatcgt	cttcattctc	ctgatccaat	ccctgggtgt	240

gttgctcctc	gcggcaccca	cctacaactt	cctccttctg	tgcgcctcc	ctggcggaaa	300
gacatttgag	gtccccgata	tagtattctc	tgcatacgcc	ttcttcttcc	ttatcatcga	360
atacttcgcc	gatcagcagc	agtggcactt	ccactgcgcc	aagcatgaat	accagaagac	420
ggcgcgcatc	cctgatcagt	acaagggcca	attcaccccc	gaggacctag	aacgcgggctt	480
cactgtcagc	ggcctgtggg	ctctgtctcg	ccaccctaac	ttcctcgccg	agcaggctat	540
ctggctgaca	ctgtatctgt	ggaactgcta	cgcaccgag	togtatgccc	agtggactgg	600
agttgggtgc	ctggttctcc	tgtgatctt	ccanggaagc	actcgtctca	ccgaatccat	660
cagctctagc	aagtaccctg	aatacagcga	gtcc			694

<210> 4746

<211> 1147

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1147)

<223> n = A,T,C or G

<400> 4746

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tggtattttg	cctggcattt	ttgaaaatgt	ccgctatgtc	cctatccctc	gtattgaggt	120
gtcagacccc	atggctgatg	tggtcgtgga	aaaccttgtc	gtcgagagtg	ataacttggt	180
gccgaatggt	gtcgagtctg	gcagtgacaa	ctacctccgc	tggggacgca	agaagatcag	240
cagcaagaga	gacaataaga	tcatgctttc	tggtttctgga	atccaggtcg	acttgcgaga	300
tgtcagttac	tacatcaaca	agaaacaagg	attcccttcc	ataacggatc	aaggagttat	360
ggatatcttc	ttgggcggcg	atggcttcgg	cttcaaaaatc	gcagcttcta	atgccccaaag	420
ggaagacggt	cagaacttcg	tcaagttgga	caaagtgtcc	gtgaagatcg	actccttcaa	480
catcaaattg	aagaagtcca	agcacaaggc	tctgttcaca	atcttcaagc	cattgctttt	540
ccgcactggt	cgccccgttc	tgcagagggt	cctcgagcag	cagatccgcg	atgcattctc	600
tagggggagat	gcctttgctc	atgagatcca	cagcgaggtc	aagcgcgcaa	aggaagccgc	660
catcgaggat	cccgcaaacg	cgcctaaccat	ctactccgcg	tacctggatg	ccgcgcgcgc	720
caagatggaa	gaaaacaagc	aaaaggcaca	ggctgtcgcc	cagcgcgcgc	ctaactactaa	780
ggtccagacg	gcaacgaagc	ttcacgattc	cctcttcccc	gagatcaagc	ttcctgggtg	840
catctccagc	aaggccactg	agtataagga	gctcgcggag	aggggagaac	gctgggaatc	900
acccatcttc	agtatcgggc	atgcacctga	gtcctccaac	atcccaaccc	cggctgatat	960
caccgcgaag	ccacacacca	ccgccccaaag	ccgtatatcc	gatggcaacg	tgaccaacgg	1020
tagcgcagca	gctagcggcg	cacgcacttn	caacggttcc	accaccatcg	gggcaacgaa	1080
cggcnntcgc	tgcggtacag	ggaacagtgg	agtactaacg	gtgccaccat	gtgntcacan	1140
ggcaacg						1147

<210> 4747

<211> 814

<212> DNA

<213> *Aspergillus oryzae*

<400> 4747

ggaccattta	gacttaattt	tgtttgtgga	ttcccgttga	cgtgcggtat	atctcccttc	60
tctctctccc	ggatctactt	attgtataca	agtgatctgt	tctcatcatt	caactcccta	120
aagttacact	accatatata	ctaatacccc	accaagcacc	tgcggaacaa	atgcctgagc	180
acgaagaaga	tctcgtttgc	tccaagaccg	agggtttcaa	ggtcggggag	aagaagacaa	240
tcaatgagta	cactgagctt	gataaaaaatg	acgaatccct	aaaccggttg	aaggcctctc	300
taggccttgc	aaccgggtga	acaattggag	acccagcgga	tccaggaag	tgcacatcca	360
agtctctagc	cctggagggt	gagggacgcc	ccgatgtggt	catcgacgtg	tccgcacong	420
gtgcagttga	tactctcaag	gacaagccat	tcacatctaa	agaggggtgc	cacttccgga	480
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ttaagaggaa	gggtgttaga	gttagcaagg	acgaggagat	gctgggcagc	tatgccccca	600
acaccaccca	caagcccgtt	tacgagaaga	agttccaaga	gggaagaggc	ccccctggga	660
tttatagctc	gtggccatta	caacgcggtc	tcgaaattcg	tggatgacga	cgaaccaccc	720
ccattgcagt	togaatggtc	ggtttgatat	cgcacaagat	tggtaaatct	gaagggtcct	780

ggatgaacca caactcttgt ctgacccaca ttg

814

<210> 4748

<211> 553

<212> DNA

<213> *Aspergillus oryzae*

<400> 4748

gttgggcata	cacgtccggg	cagcttcggt	ctcaaggaca	aagtattgcg	gggccgctca	60
agttgaaact	cgattcctga	caagaaaccc	atatacacaac	ccaccaaac	gccaaaacag	120
agcacgatgg	tctccgaatc	agacatcaac	tatttacgcc	gttgcgtaga	cctagcccgt	180
gaagctctcg	aagcggggcg	ttccccatc	gggtcagttt	tagtggacgc	cgccgggaag	240
gttatctacg	aggatcgcaa	ccgcaccgtg	accgaagcag	acgtcacctg	gcacccagag	300
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ataaaacctt	gtccgggtgc	cctcgtgtcc	atcaatccag	tggaccggga	tttaacttga	540
gatggccccg	ctt					553

<210> 4749

<211> 658

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(658)

<223> n = A,T,C or G

<400> 4749

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cgtacaagat	taaagatgga	cacaccatcc	atctggtaaa	gagtgtctgt	agcaatcagc	180
gccaggccgg	cacttctcag	actgcctcgg	cctccacgcc	atcaggcacc	tctgtacttc	240
cagccgctgg	tgtccccaca	aaccttgccg	ctggcacagg	caacaaccca	ctggccgggt	300
tgactggcgc	acgatatgct	ggttttgcgc	aacttccagg	ggctggaatg	tttggcccag	360
atggtggcat	gggcccctct	cctgatgccg	actctatgct	taatatgctc	gaaaacctca	420
attccagtct	actatcaatg	aaagctttaca	gaacccagcg	atgattgata	tgatgattca	480
acaaaaatccc	atggtgcgcg	aaatgggtcn	cggcgtgcgg	caaatgatgc	agagcccga	540
ttttcgcgta	tgcnttacga	tccaattcgc	ttcgccaggc	gatgcaactt	cagagagcca	600
tgggtggcng	tgggtgggctt	ggtggtggta	gcgcaatccc	tgctccgggg	gtcacaaa	658

<210> 4750

<211> 671

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(671)

<223> n = A,T,C or G

<400> 4750

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tagtcatcct	gacaaagtcg	tatthtggn	tcgacacacg	aggcaagcaa	cctcctatct	120
cggcgcgag	ccggaacgac	ggcgactggg	tcaacgggtt	tggcctgtcc	nggaagacaa	180
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tcgagagcgg	gaaggtcaga	tacattgggg	ctagtactat	ggccgcgtgg	gagttccaaa	360
cgtccaaaaa	tatcgcgga	cggaaacggat	ggcacaagtt	tatctctatg	cagaactatc	420

ataacctctt	gggctcggag	gaggagcgcg	agatgatccc	ttactgtgtt	gactncnggg	480
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tggtcgacaa	cccgggagtc	cacgaggcg	gcttaaaact	ctggcctgaa	cccaaagtcc	600
aggcccaaca	gggaatcgct	aacaatggag	gacttgccca	gagaaggggg	taaactggcc	660
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<210> 4751
 <211> 719
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(719)
 <223> n = A,T,C or G

<400> 4751						
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cgcagaaatc	ttccatgacc	tccaaaaacg	ctacccgaac	tccaagacga	cgctgattat	180
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tgacaaggca	accaactata	gcgtcgctcg	acttgagttg	attgagcaga	tcttcaatga	360
catgtaccta	cagagggtac	aaaaccccca	tgagacacaa	tggcagcatc	gcctcctccc	420
tggccgcaag	attaccgcag	ttgagcatta	cggaccgcac	angcggatgc	ggcttcatgt	480
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tacaagcttt	gcccccccg	gccccaaaaa	tggaccccca	acaggaatac	gtgttgagct	660
ggaccaagca	agttaacccc	cagcttgaat	ttggtaacag	gtgcaaaaaa	caaccctgtg	719

<210> 4752
 <211> 997
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4752						
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cctacgagct	tcttgatggc	caggctcatc	ccatcggtaa	cgagcgtttc	cgtgctcctg	180
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gcccagaaac	ttctaccac	cttctctctc	agccgtcttc	aaacgaccat	ctttcagaac	360
atccatcata	acaatgaagt	cttccactgc	catctctctc	ctcgccctct	tctcctcggc	420
tttgggcgca	cctgttgagc	agtcacccga	cgtttccacc	gcccgtacta	tttccgtgtc	480
ctacgaccaa	aagtaacgat	tcagcggcag	ctctctgact	actgtttcct	gctcggacgg	540
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gctccactat	gcggccggca	acgttgacaa	gtccattttac	gtgactgcca	ttgatcgggc	720
accgggtggc	ttcaacatcg	gcctgcaggc	catgaacacc	ctgacgaatg	gattggccga	780
gcagttgggc	agagtcgaag	tggaatccac	tgaagtcccc	cgctcgaact	gcgggttccc	840
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atctaatctt	atctctctgat	gtctctactt	cagcatgtga	tatagcatta	atgcgttaacg	960
cggtataata	taaaaaaaaa	aaaaaaaaaa	aattcct			997

<210> 4753
 <211> 688
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4753

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atggcaactg	gctggatcgc	gggaataact	aacatgtatc	ttatatatcc	agaacaagaa	180
gcgcaagtac	agccaagatg	acgcggacaa	ggttgcagaa	gatccaaccg	acaacttaaa	240
aaatgctacc	actctttatg	tcggtaatct	gtatgtccat	tgtcttgtcg	acggtttaac	300
atgggtctct	cttcatctac	taactacttt	agttctttct	acacaacaga	ggaacagatt	360
catgaacttt	tctcaaaatg	tggagaagtt	aaacggcttg	tgatgggact	cgaccgattt	420
acgaagacac	cctgtggctt	ctgcttcgtc	gagtattaca	cacatcaaga	tcggttggat	480
tgcttgaaat	acgttggttg	caccaagctc	gatgagagaa	ttatccggac	ggatcttgac	540
ccttggttcg	aggaaagaag	acaatacggg	cggggtaaat	ctggggggca	ggttcgcgac	600
aaataccgaa	aagagtcgac	ccaggacgtg	gcgggttatgg	accggcttat	gcatatgatc	660
agagacagcg	ggaaaaaaat	aatacggg				688

<210> 4754

<211> 692

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(692)

<223> n = A,T,C or G

<400> 4754

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catcctgaca	tttgatgagc	acgggtgggtt	tgccgaccat	gtgtctcctc	ctgagaatgt	180
gccggctggc	gataacctga	cgtataccga	aacggccaag	gacggccaag	aggctacctt	240
ccatttcgac	cgtttgggta	tcagagtacc	taccgttctg	atgtctccat	gggtgggcaa	300
aggcgtgggt	cagaatagcc	cggctgacca	gcctaacgaa	ttcaccacaa	cctctattct	360
caaatatgtg	gctgagctct	ggaacctgga	cattctcact	cctcgcgctc	actgggtctc	420
cagcttcggg	ggctctgatc	ccaacacttt	cgttgagacg	ccggagaagc	tacctgagcc	480
ggctgatttt	tanagaaatg	aatctgtaca	gtctagactc	gatgtctaga	gccgcataatg	540
accatgatga	cgatataatt	atgacaataa	cgttttcaat	taaatgagtc	taggcagcca	600
cgaagggttt	gcctttgtgt	gaaaaaataa	tatatnntaa	tatttattat	atataaatat	660
tatttttaat	attattcttt	tatttatattt	tt			692

<210> 4755

<211> 675

<212> DNA

<213> *Aspergillus oryzae*

<400> 4755

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agtgttgaag	ctgctaactg	gccagcttga	gccaacttcg	ggccttcttt	cgcaacatgc	180
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aggacaaaaa	tctgggtgcg	aattgcttgc	ttggccgtga	caaaatccac	atattgggac	420
ctgagcaaac	tttcaaacac	acttgtattg	agaggtatgt	acacattgtc	agggtttgac	480
agaggttcaa	aggtggtctc	gaaggagtgc	acacaatgac	acaactctgc	agaacgtgtg	540
ctctactctg	tgtgtgccac	aaaggagcac	atacccaatt	tcaagggccc	cgaaaatctt	600
tacaaaaaga	tgatcatttc	aaagcccaac	aaaccagggt	taacatttgc	ccactaatgg	660
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<210> 4756

<211> 697

<212> DNA

<213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(697)
 <223> n = A,T,C or G

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aggggttaca ggtacagaat ttgactttac ctttgagaca cgggattcag aacggatgat      180
agttgacctg ggacgaacga tggtctgctct atgccagggtt attccagatg gcgtcgttgc      240
ctttttccca agttatgact atctaagtca agtggtgagc atatggaaaa gaacccttgc      300
aggagagaag aatcgtactg tctatgactt gatcgagggg aaaaagacta ttctgcatga      360
gtcacgagat gtgactataa gcactgagga gcttttgcaa gaatatgcaa gtattgtcgg      420
atcagggcga ggggcgttac ttctttccgt ggtcgggtgga aagctgtcag aggggtatcaa      480
cttttctgac agattcnyga gaggtgtgtt gattgttggg ttgccttttc caaatatadg      540
cagtgcggtt tggcaagcaa agatccacta tggtgagcaa aaagcatada aagagagctc      600
gggcttcgat gcaaaccggc agttggctgc anaagctgog ggaaaggatt tctatgagaa      660
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<210> 4757
 <211> 687
 <212> DNA
 <213> *Aspergillus oryzae*

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gagtctcgca gatggcattg atttcggctc cactgtcaac cgtactcget acgaacttct      180
ctccggcaag accttcgccc agttcaccgg cttgatcgag caggttatcc agaaggctgg      240
tttggtatgc ttggacattg acgaggttat cttcgctggt ggtgcctctc acactcccaa      300
gatcgcccag ctggcccga acatcttctc cgagaagact aagatccttg ccccttcgac      360
cttcaactggc gctatcaacc cctctgagct ggcccccagg ggtgccgcca tccaggcctc      420
tcttatccag gagttcgagc aggaggacat tgagcaatct atccacccca tggtcactgc      480
cactcctcat ctgaagaacg ccattggtgt cgagttcacc accggtgaga ccgtcgagtt      540
ccagcctctc ctgaacactg agaccgccct ccccgctcgt cgtgtcgctc agtacaacgc      600
ccccagget ggtggcgacg ttttcattcg cgtttgcgag ggtgtccgcg agatcaaggt      660
caccaagcct gagcctaagc cccagga                                     687
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<210> 4758
 <211> 699
 <212> DNA
 <213> *Aspergillus oryzae*

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cagcagcaaa tgggtgttcg gccgttgctt ctcgtttgaa ggaacgcgct gtggcagagc      180
qtqagcaccg tggtcggctg ttggcgaaag tggttgacgt tgagcgtcaa gccacgcgga      240
ccaacgttga gcggaagcag ggtatgactg agagagaacg tcaqatygaa cttyaagcgc      300
tgctcgcaga atccgaaaat gctggcggtg atcgtgcagg cgatcaatct gacgatgatg      360
gagatgaccg gatttacaac ccgcttaagc tgccgcttgc ttgggatgga aagcccatte      420
cttaactggct gtacaagctg caagggtttg gtgttgagta cccctgtgag attggcggca      480
acctcgtgta catgggtcgt cgcgccttag acaaccactt ctcgaaagc ttgcatatct      540
gggggcctaa gtgtcgggtt ttacctcga atccaaacct ttctcgaaaa atcacaaggt      600
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aaccgcgaaa acctgggggc aattggggac cgcaagggg                                     699
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<210> 4759
 <211> 723

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(723)

<223> n = A,T,C or G

<400> 4759

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actcgggcgc	ggcatcgcca	tcgtcacgac	tgaacctgcc	catcgactac	aaaaccactc	180
cgcttcttca	tcacacatcc	tccactctct	ccgaaagctt	agaacttcc	ggctctacca	240
cccgaaatc	catgaacctc	taccaagcca	tcaattccgc	cctacgcact	gcactcgcca	300
aqtcggagaa	ggtgatgtc	tttgccgaag	atgtcgccct	cggaggtgtc	tttcgctgct	360
cqatggatct	acaaacagaa	tttgggtggg	aacgggtttt	caatacccca	ttgacagaac	420
aagggatcgt	gggattttgc	attggggggg	cagcacaggg	tatgaagcgg	gtcgcgagaa	480
tcagtttcgc	ggatttatgt	ttcccagctt	tgcaccagat	tgtcaacgaa	gccgcaaaat	540
tcagatatcg	tgaaggtgcc	acgggagtag	atgctgggtg	catggttgtg	cgcatgccat	600
gtggtgcgga	tggacacggc	gctttgtatg	gtccccgcc	aatgagcgct	ctcgaattgg	660
tatactgact	ntaaccceta	ctagatacca	ttcacaatcc	cccagggcgc	tntttgcaca	720
tgt						723

<210> 4760

<211> 694

<212> DNA

<213> *Aspergillus oryzae*

<400> 4760

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ttcgaaaatg	ttccggttct	gcagaagcaa	atgtcacaag	aactttaaga	tgaagcgcca	180
accccgcaag	ttgaagtggg	ccaagaccag	cagagctgca	aatggaaagg	aaatgatcgt	240
cgactcgtct	ctcgtttctg	ctcagttcgc	caagaagagg	aacgcccccg	tcaagtacga	300
ccgcaacctc	gtggccgcta	ccgtcaaggc	tatggagaga	gtggaggaga	tccgtcaacg	360
cagagagcgc	gctttcacca	agcgcagatt	ggcaggcaag	ctcgccccgg	accgcaagcg	420
cgaggaggac	cggagggttg	tggccgaggg	cgaacacctt	atccgcaagg	aactgcgcga	480
cagagaagaa	ggcatgccct	tgggtgcagg	gggcaagcag	aacaagatcc	acagcgagga	540
gaggccccag	cagaagaaga	gaaccagagt	tctcgtggat	ggcacaactc	aggaggaaat	600
ggacgtcgat	taaaggttat	gcgctttctt	ttgttctttc	agatacgatg	ccctgggttt	660
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<210> 4761

<211> 753

<212> DNA

<213> *Aspergillus oryzae*

<400> 4761

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ttgagccatt	cgtactgtac	tgaccatatt	gtcactgccc	gatggaccgt	ggccaatggc	180
tgggagaccc	ccgaaagtga	gcccctttgag	aatcttagca	tccctcccac	ggcttctttg	240
ttgcaactat	ccactgaatg	ctttgagggt	atgaaggtgt	acagaggata	tgatggcaaa	300
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ggattgaagc	ttcttgcttc	tacacctgat	actatccgtg	cctggcccgg	tgggttcggc	660
tatgcaaaagc	tccgagcgaa	ctacggtcct	tcgttgggtg	cgcacggtaa	agctcaagcc	720

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753

<210> 4762

<211> 1047

<212> DNA

<213> *Aspergillus oryzae*

<400> 4762

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gtcccagcag	ccaatatgtc	ggagacgaag	cagtttgga	agggccagag	gaccgtgccg	180
gctcagaagg	cccagaaatg	gtaccccggt	gatgacgagt	cgcagcctaa	gaaagtccgc	240
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ctcgccggtc	gcttcctgtg	caagcgtgtt	gtcctcctca	agcaccttga	ccagggtgtc	360
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aaggctctcca	ctcccgacta	cttcaccaa	gagaagaagg	ccgagaagaa	gaccgaggag	540
gctttcttca	agcagggaga	gaagcccgag	aagaagaagg	ttgccagcgc	tgcgcccagc	600
gaccagaagg	ccattgacca	gtccatcctg	gcacccgtca	agaaggagaa	cttccttggt	660
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ggacctataa	atgagccgaa	atgaaaagaa	aaaaaaacag	aataatacct	tttcagctg	1020
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<210> 4763

<211> 576

<212> DNA

<213> *Aspergillus oryzae*

<400> 4763

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tcattgcaggc	cttcgcgcgt	agcactgcct	ctgcccttag	gaatgctgcc	gctgtgcagc	180
aacggggata	tgccaatgcc	ccggcctacg	ctgagaccat	taacaacctt	cgcataaatg	240
cggataccaa	ggttattttc	cagggttcca	ctggcaagca	gggaactttc	cacgctgagc	300
aagccattgc	ctacggcacc	aaggctcgtg	gtggtacca	ccccagaag	gccggctcga	360
cacaccttga	cagaccggtt	ttcgcaaatg	tgcgcgacgc	cgtgaaggag	accggagcta	420
ctgcttctgc	tattctcgtc	ccccctcccc	tcgctgctaa	gggtattgaa	gaagcaattg	480
aagccgaagt	tcctttggct	ggttgtatca	ctgaaagaaa	ttctcaacat	gatatgggtc	540
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<210> 4764

<211> 759

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 4764

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gtctatctct	ttctcatatt	ctacccatct	catctgttat	tgcatttggt	tgggggctga	180
aatgggtacc	ctatacatct	ctacttaatt	aattgcaaat	ctatgtcccg	tgactagtgc	240
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acgcgccccg	gatgagaaca	gcgatgtcgc	ctcgattgac	tacgaagcta	tctcccaaaa	360
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caagccgcac	cgttggctcc	gacgcgggac	tgtcttcac	caccgtgact	tccaccgagt	480
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tcttacgttc	gaagaacat	tggatatccc	caaagagatt	gcccgaacaa	tcattgtctac	720
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<210> 4765

<211> 698

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(698)

<223> n = A,T,C or G

<400> 4765

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gaccgcgcgc	aagatgtcgc	togaagcaac	catgatcatc	gtggataata	gcgaaagcag	180
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aaagggctct	gaggttttat	cgactttcac	ctccgacttt	ggtgctatcc	tggccggtct	360
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gcgtccgcaa	gaacgtcaaa	ggtggcgacg	ggtcgcacta	accataatct	ttctgggtcag	660
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<210> 4766

<211> 1002

<212> DNA

<213> *Aspergillus oryzae*

<400> 4766

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ttctctttat	ttctcttttt	ctctctgtct	tgcgcataac	atcttcttat	qggttttatcc	960
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<210> 4767

<211> 736

<212> DNA

<213> *Aspergillus oryzae*

<400> 4767

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tgaacgaggt	tccggactcg	cccaataaga	tttgtgtgtc	gaatatccct	cattacatac	180
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aaggtttgtc	gtgctagtat	tggataaacg	caggctgccg	gactcgacat	gggtgtcaat	420
gcgatgtcga	tgttcgccaa	gaccacttgt	caagatgtgg	agaccagccg	tgtactgcaa	480
tcgttgaaata	tggtagacac	cgaggagctc	atggataacg	atgattacga	cgaaatctgc	540
gatgatgtgc	gcaaggagtg	tgccaagtat	ggtcaagtat	ttgaattgaa	gatctcacgt	600
ccttgctgtg	gcagcagaca	gtctcctgat	gtctgcaaga	tcttcgtgaa	gattgactcg	660
ggggaatcaa	tcaccaatgc	gctagaggcg	ctggctgata	cgatgtactg	tgaccggacc	720
gtaattgacg	actact					736

<210> 4768

<211> 260

<212> DNA

<213> *Aspergillus oryzae*

<400> 4768

tactctatct	ccttctggtc	ggtgattcac	atggttggtg	tcctcatcca	gacgcgccacc	60
gatgacaact	gggtccaaagt	tgtctatgggt	cgttggggtg	ccggtttggg	tgtcggcgct	120
ctgtccaaca	tcgttccctat	gtaccagagt	gaatctgtct	ctcgtcaagt	ccgtgggtggc	180
atgggtcaacg	ccttccagct	gttcgttgcc	ttcgggtattt	tcctctctta	tctcgtcaac	240
ttcgggaccg	aatccatcat					260

<210> 4769

<211> 1523

<212> DNA

<213> *Aspergillus oryzae*

<400> 4769

gtgggacaac	ctcgacagtg	ctgcgctgaa	caccaagtat	cttggcaacg	cgtcggcgggc	60
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caagaacagc	gtgggcactt	tgttcgcaaa	caaccactac	gtctgggatg	gcaagatcaa	180
gggtaaggta	aagagttagc	gtggcaaaag	tgtcgtgtct	gcttttatcc	tgtctcggga	240
cgttaaggac	gaaattgatt	ttgagtttgt	cggctacgac	ttggataacg	ttcaaaccaa	300
ctactactgg	cagggcgctc	tggactgtaa	gtgattcgtt	tgcccagcgg	tagaatagct	360
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acgtcaagcg	gacgttgacc	cgggaaatcca	cctggaatga	aaccgcaaag	cgctaccaat	540
tcctctagac	tcctctcgaga	atgcagttgt	ctctgtggcc	cgccggtcag	gcaagcaatg	600
ctgaagggaac	cattgagtgg	gccggtgggt	agatcgactg	ggacagcgag	gacatcaagg	660
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caaactcggg	agatggcaag	aaatcgtaca	tccttactaa	caaggacggc	cttgagggtt	780
ctttcaagct	cagtaacaac	gacacgggtg	tcgcctctct	tgggtgctacc	ggcctcgacc	840
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aacggcgcac	tgcattgccg	ttgatactca	ttctaatacc	cttggtttcg	ttttgatgct	1440
agtatatgta	ttatttaattg	attggctcgg	tgtcagtagg	tatcggatca	atgaataaaa	1500

aaaaaaaaataa aaaaaaaaaaat cct

1523

<210> 4770

<211> 955

<212> DNA

<213> *Aspergillus oryzae*

<400> 4770

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ggtgcacgta	taaatacggg	aatgccgggg	caggggcgat	gggagggtctt	ttcgttcattg	180
agaggcacgg	tgcagttgat	tatagcgaag	gagaagacgc	tccaaaagttt	aggcatcgtc	240
tgaccgggtg	gtacgggtgg	gatagaagcg	tgaggttcaa	gatggacaat	aatttcaagc	300
caatcccccg	agcaggcggt	tggcaacttt	cgaatccttc	ggctatcgat	cttgcattgc	360
tctgcgcctc	gttgtccgtt	ttcgacgaga	catctatggc	tgaactgcgc	aaaaagtcgc	420
ttatgctaac	ggcctacttg	gagcatctct	tgttgaaaga	taccactgac	gaaacacgtc	480
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tgaaacctgg	cttgtttgcg	aacgtctccc	agaaattgca	agaagggggg	atagtttgcg	600
acaagagaga	gccgggtgtc	gtccgcgttg	cccctactcc	actgtacaac	actttcaccc	660
acgtatggaa	gttcgtgagt	tatttcaagg	ctgcactgga	cgaaccagaa	ctgaagaatt	720
gaattgtgcc	ttgatataac	cacaaaatca	gtgacagtgt	gggtgaaggc	acgtacccca	780
cagcaaaggc	tagtccgaaa	tgcgcgccag	agtttgctga	gatatgacga	gcacggagca	840
cgatgtgggt	atatcaacat	caacctccgc	cagtgggtatt	tgggtctctg	gccgccttct	900
gcttgccctg	tcccaagtca	aactgtatat	aagagaggca	ataggctata	taacc	955

<210> 4771

<211> 664

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(664)

<223> n = A,T,C or G

<400> 4771

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cgatggattt	ttcgagattg	aggaaactgc	ccctaagatc	gctgttgctg	gcgccggata	180
cattgctgtc	gagctggcgg	gtgtcatggg	agccgttggc	gttgacaccc	acatgttcatt	240
ccgtggccag	accttccttc	gcaagttcga	cccgatgac	cagaagacca	tgactgagcg	300
gtacgaggct	gcgggcatca	ccgtccataa	gggccaccgc	ggccttaagg	aagtgcact	360
cgtgcgggac	ggaaaggcca	aggacaagct	tctcaagctg	atctcaaacc	atgggtcgga	420
gatgggggtc	aacgagattc	tatgggctat	cggccgtgcg	cccgaagttg	agggacctgg	480
cactcgacgt	cccaggcgtc	aagttgaacg	acgccgggtt	tgtcgacgtc	gatgagtaac	540
agaactcgag	tgtcgaaggg	aattatgctc	tgggtgacgt	gactggaaac	gctgaactga	600
tcccgggtgg	atttccggtg	gccgcccaact	tggaaaccgg	ctgttcgggc	caccggagct	660
gaag						664

<210> 4772

<211> 668

<212> DNA

<213> *Aspergillus oryzae*

<400> 4772

ctattgtgct	tgcggctggc	cgttctttat	tcggccctca	gctgggtcgc	tgaagcctcg	60
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caacccttac	cgactcattc	acgtcggcca	cgtttgagac	gtttctaaag	cagtgaataa	180
ttctccgtct	tccatcatgt	ttggatatcat	cgcgatttta	ttgtccctga	tcatcacgat	240
gtcttctcgt	atattcgtcg	ctttcaaagc	cctccgctcg	gcgaaccctc	ctcagctcgc	300

accatggatg	atgtattggg	tggctctgtg	ggccattatg	atggctgagt	cctggacgga	360
ctggattacg	ggatggcttc	cattctatcg	ctggatccga	ctgtacttgt	ttgcctatct	420
ggctctgcca	cagactcacg	gtgccagact	cctataccag	acttacgtgg	accacgtcct	480
ggccgagcac	gaacgagaaa	tcgaagagtt	catcggtcgc	tcccatgagc	gtgccaaaggc	540
tctgggcctc	caatactttt	accaggggct	ggattgggta	cgcgagaatg	ttttacacct	600
gcccagacaa	caggetgcgc	ctccgcctgc	ggcgacaggc	cctgctgcat	acgctcagtc	660
gcttattt						668

<210> 4773

<211> 701

<212> DNA

<213> *Aspergillus oryzae*

<400> 4773

ccgacgcate	ggteectcatt	cactaccctc	ttctacctca	ctttctactc	ccacacggct	60
cttgccctcc	attggcttga	cagaglaaaa	gagcttcnca	gtatcattca	taattggcag	120
tggtttgct	atcttagtac	cgtttaagcg	ggtgatcgac	taagcgatca	aaccccgat	180
caacaaggcc	cagaccggcg	tcgaaacctc	cggcgtttaag	cactcgctca	acccattcga	240
cgaactctcg	atcgaggagg	cgtccgtctc	ccgtgagcgc	aagggtcccc	tcaaagtcga	300
gaacattctc	gctctctccg	cgggcgggagc	caaattgcgc	gataccctcc	gcacggcgat	360
ggccatgggc	gcgcaccgcg	cgttccacgt	cgacgtcccc	gactccaacg	atggggggcct	420
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gggcctgttg	ggctggcctc	aggcgacgca	ggctagcaag	gtggatatca	aggatgaaca	600
gggaaccgtg	gaagttaccc	atgaagttga	gggcggcggt	gagactcttc	ggcccaagtg	660
gcttcacat	tactaccgac	ttgcgacttc	acgaaccag	g		701

<210> 4774

<211> 531

<212> DNA

<213> *Aspergillus oryzae*

<400> 4774

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cttcaatata	accagccggc	gtatttgctt	tatagatcat	aattatttgac	ctttcaccat	120
tggcatcgta	cggatctctc	gctcggttca	ccgatgtcaa	acgctcgccg	gtattcggcg	180
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tggaaatctc	tgacatccgg	gaaaattatt	cgacacacgg	caatatgatg	aacgcaaaaa	300
atctccatcg	gtacctttct	aaggtccttt	ataaacgtcg	ctccgaattc	aacctctttt	360
ggaatcacat	tctcgttgcg	ggatttgatg	aagacaagaa	accttctctc	agctcagccg	420
accttctcgg	tactacatat	tcagctccac	atctcgcgac	tgggttttgt	gcgcaccttg	480
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<210> 4775

<211> 706

<212> DNA

<213> *Aspergillus oryzae*

<400> 4775

gcttccccc	ttcagcatga	cactgacttc	gtggattgat	attcttggct	ccgctatgca	60
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gggattacgg	gagctgatgg	gttgcgacga	ccgtgtgatg	tacctgatct	ccgagatcgc	180
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ttcggccttg	ggaagacaa	tggaatttac	cgaaccggcg	gaccagacgc	tccagagccc	300
ctatccctcg	acgggagtc	ttcgcttga	natthtgacc	aaaaccatga	ccggaggctt	360
ccgaatcgc	agcgccaaal	ttacctatgc	agtctgggtc	ctgaattcac	ccgaagccag	420
ccaaaccaata	taaattta	tccaggcagt	tgcaaacacc	ctggcatata	tcccggtcgg	480
tcaggatgga	tccaacggtt	ttctattttg	gcctttccct	ggaaaccggg	gctttttccc	540
aaccaacaca	ccaatttagg	acttttttgg	ctgacggggg	ggttaacctg	gggaaaacct	600
gtccaaacctt	tgaagctttg	gggttattgt	accgggtatt	qgaagaaatg	ggggaaaatt	660

tccctttttac cctttcgaac ccttttgtca agagggagat acccct

706

<210> 4776

<211> 653

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(653)

<223> n = A,T,C or G

<400> 4776

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atgtgtctgac	cgagtcttgc	acchagaagt	gcattcccaa	cgactacggt	gaaggcgaac	180
tgaacaaggg	cgagtctgtc	tgcctcgacc	gctgcgtctc	caagttcttc	gaagtnaaca	240
tcaaggtcag	cgagaagatg	cagggcgaaag	ccgccaacaa	gcagggcggt	ggtatgggat	300
tcggcatgta	aacggatgag	aagtctgctg	cctcatgggc	aaaacctccc	ttccgaaaca	360
taatttatgt	tctttttacg	ctcgagtttg	ccttttatgtt	gctcgtgtca	ggcgcggatc	420
ttgccttggt	ttcagagatc	atctttttgcc	gggaagcggt	gcattttgggt	tttagttctc	480
aagattgtcg	attccggggc	actctatgcc	ggctgggttat	gatcgcatgc	tgctagatgg	540
gtgctggggg	ggtgaaaatg	tttgggtcct	ggcatgggtt	ctgcgcgatg	ccatggtaat	600
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<210> 4777

<211> 652

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(652)

<223> n = A,T,C or G

<400> 4777

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cagacggaaa	atcagttctt	cgatctagca	tccgagagta	tgttgtgtcg	gaagcgtctt	180
ctgcgcttgg	tgtgccaaact	accagagcct	tgtcaattac	tctattgccc	gagttccaagg	240
ttttacgcga	gcgtgttgaa	cctggagcta	tagtggcccc	gtttgccgaa	tcctggctga	300
gaataggaac	attcgacctt	ctccgcgcac	gcggtgacag	gaatctaata	agaagactag	360
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cacgacgaaa	tgcgaagact	gtggctgcat	ggcaagctta	tggcttcatg	aatggcgtct	600
tgaacaacga	caacacatca	atctatgggt	tgctcgttga	ttacggccca	tt	652

<210> 4778

<211> 654

<212> DNA

<213> *Aspergillus oryzae*

<400> 4778

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ggaaactgtc	tcttccaaac	tcagccgtgt	ggtacaactc	actggtttct	cggatcccg	180
ctatgcgcag	gcctacgtca	cggtccacca	gttcgatatt	gttctggatg	ttcttctggt	240
caaccaaact	ctggaaaccc	tgcaaaatct	gtccgtcgag	ttcgcgacac	ttggagacct	300
gaaggttgct	gaacgggcag	caaccacaaa	ccttggaccc	cgcgattctt	gaatgtgcaa	360

gctacagtca	aagtatcgtc	cacggacacc	gggggaatct	ttggtaatat	tcggtatgat	420
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tatttcagcc	cgttcctggc	cccaaaacca	gttccggccc	ttgggacgag	ttccagtggg	540
aaaacagga	actataactc	ccggggaaaa	acctcccgaa	tttcttttagc	aatttttggc	600
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<210> 4779
 <211> 719
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(719)
 <223> n = A,T,C or G

<400> 4779						
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cacctctgtg	gcgaagattg	tcgctgggac	catggataac	tatctgatgt	atggtcatat	240
cctgaagtgc	aaatacgtgc	cccaggaaca	attgcattca	gagctctgga	agggcgccaa	300
tagacggttt	aagcggaccc	cctggaaccg	aattgagaag	aagcgactcg	acaaggccaa	360
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gaanagctag	atggacgaga	agaacggctg	tcacatcacc	gaccaggaga	caccanagga	660
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<210> 4780
 <211> 764
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(764)
 <223> n = A,T,C or G

<400> 4780						
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aacaggttgt	aagaccacaa	gcatagcata	gcggactact	acacttggat	atatatctcc	180
agcatattca	acaacacttc	ctcaaaatga	ccatctcaac	agaaacaagt	agagtttcaa	240
acacgtcgat	acataccgaa	accaaagact	cgacccccgc	acaccttgac	cggtctacat	300
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cgatcttaaat	tgtgtgcagc	tcgggggcata	ggcgtgcggc	ttggagaagc	cgcgaggaga	660
ttctggacga	gtgcanggca	naagcggaga	tctgggaacc	ggaagagttt	aatggttagca	720
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<210> 4781
 <211> 1823
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(1823)
 <223> n = A,T,C or G

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 caacagtctt gcggtgcaaa agcatctccg ctcccgctct gcattgatcg cattcgagaa 180
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 cgccatcgtg gcagctatct gccaggagga aattgacgat tactggagag tccctggaac 300
 cccggagaag aatgataccg acgagaggtt cgcgggtgag gtcttcccga aagcccggcc 360
 attgatcaat ggaaccaagc tctgggacgt ggtcaagcac atgccaaagg gtgctctttt 420
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 taaggattat gtccctaaca cgcgaatccc cgtgactgtg gctgccaaca cattcccggg 660
 tgggtcaagag ggatttcacg acttcgtcaa aaccaagggt accatctctc ctgagctgtc 720
 tatacgtcac gaattgggag tcgatgagat ctggcggtgc ttccagacag ccttcggccc 780
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 tttctccctg tacaagcacc cgaggctgat tgatgaggtg atcgagaatg gtatcatggt 1380
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 cctcccggca atgattgccc atggtatccc gaccgccaac agcaacgacg acccggcgat 1500
 ccttggccaa aacacagctg gtttgagcta cgacttctat cagacaatcc aagctttcga 1560
 taacattggt cttgctggcc tgggagcgct cgcgcacaac agcatccgct ggagcaactt 1620
 cgaagatcag aacgatgttg aatgggttcg tgatatcgac tttggagaga atggcgacgg 1680
 cattaaggcc cancgtttgc agcantggaa cgagaagtgg gaggccttct gtgagtgggt 1740
 tgtgaaggga gtatggagac ccgtaccccc cgggagcact ctgatgcctc ccatagcatg 1800
 attggggcca gtgaatgctg ggc 1823

<210> 4782
 <211> 506
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4782
 gccatctgca agaagaagaa cattgagtct tgccatgtgg gcgccgacgg ctctgtcttt 60
 acgaaatata cccacttcaa ggcccgtgga gcacaggctc tgcgcgagat cttggactgg 120
 gcacctaacg agaaggacaa ggtgggtcatc atggctgctg aagacgggtc tgggtgtgga 180
 ggggtcttta ttgctgcatt gacattgaag cgggtcaagg caggcatcag ctgcggtatc 240
 cgagatatgg ccgatatgca gagtctcatt taatatgtgg gcattgtcga ctttatctga 300
 ctccagagtgt taaacattgg agatgcactc tcatctcttt ttttattctt tttttctctt 360
 ctgaggggat gtcaatatca acacaaggca catggctcgg tttacaacat agaccgatgg 420
 ggtttttata cgggacaggc gagtaataaa aaagaaaggc gaaagatagc taattttatta 480
 tacacattaa catatgggaa aaaaaa 506

<210> 4783
 <211> 736
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4783

tcgaaccata	atcagtatta	aactacattc	tctgaacaat	ggcaccgcaa	gtttggttca	60
tcaccgggtgc	ctcctcgggc	ttgggtctat	ccctttcgtc	gtacgcactg	tcagccgggc	120
atcatgtcat	cgggaccggt	cgcaacgcac	caaagtcgc	agatgcagtc	cagacaattc	180
aaaataaggg	cggaaagatc	gtggagctag	acgttaccaa	ggccgatgct	attcctgaag	240
cagtgaaaaa	ggcagaaaagc	ttttacggga	aaatcgatgt	attagtgaac	aacgcggggg	300
actcattatt	aggcgccgtg	gaggacctga	atgacaaaaga	aagcgcactc	cagatggaaa	360
ctaattttctt	tggtcctctc	cgagtaatcc	gagcagtgct	ccctgggatg	cgcggaaca	420
ggagtggaa	gatcgtgaac	attagtagcg	tcgctgggtc	agatgctttg	ccttcttgcg	480
ggttgtattc	tgcaagcaaa	ttcgcaactg	aagggtctatc	tgaatcgctg	agtcgtgaac	540
ttgcaccgtt	taatatttca	gttcttgtgg	tggaaacccg	tgctttccgt	acgaatttcc	600
tgtcggcagt	tcagaggaac	gagagcgggc	ttagtgaacc	atataaagg	ggaccgggtg	660
ataccatgct	aaggcatttt	gagtcagcac	aaggcaaaaa	aaaaggagac	ccttgaaagg	720
cgatcgctag	gatctt					736

<210> 4784

<211> 653

<212> DNA

<213> *Aspergillus oryzae*

<400> 4784

tttttttttt	tgttttttct	ctatccgaaa	attccatgta	tattatgttc	gatgcaacca	60
gagcgaaaat	aataattaac	accatactcc	acactccctc	atagaagcaa	atgagcacaa	120
gtaactccat	caattaaaag	tcgacacctt	tgggagttaa	aaaattctct	gaactccaaa	180
accccgttta	aatgcattga	caacgcttca	cgttttacct	tcctttgagg	aaccagaact	240
ccttttcgta	gctcggtcgt	ctttaagaca	gtgcttgagt	atccatgggt	gtttttggat	300
ttcatctagc	gaaatacgct	tctcgggatc	aagaacaagt	aatcttttga	ttaagtcttt	360
tgcttcgggg	ctcaciaaag	aaggaaactgt	catgtctgct	cgtgcaatcc	gtctttgtgt	420
catgacaggt	gtgtcctcga	atggagcctc	tccgacccaa	aattcgtaag	tcagtacacc	480
taagctccac	aaatcgactt	tttcaactgt	gtagttatcc	tgtgagcctg	gcttgagcat	540
ctcgggtggt	agataatcaa	gcgttcgcga	cattgtctgc	ctcctgttgt	ggggcgcatg	600
gacactccac	ccaaaatcac	tgatcttgat	tcaccatgga	tgccgacgaa	aaa	653

<210> 4785

<211> 722

<212> DNA

<213> *Aspergillus oryzae*

<400> 4785

catcagctgc	tgctacctta	ttcttttgct	tgtagccttt	cttctggcac	gtgcctacct	60
taactgacag	cgccaagctc	tggtacttgc	tagtaattca	ccatctgatt	tacacgactc	120
cgtttcacag	ccccgtctct	ccccgcgatg	gagaaccaga	agatctccga	ctttctggcg	180
gaccagctgc	agcaagctcc	cgaacaatgc	caggcctact	tcctcacctt	cgaagactac	240
tyggagcgga	aattatggca	ccagcttacc	gactccttga	ttgaattctt	tcgccttcca	300
gagagtgtct	ctcaacgggt	accgatattc	aaggccttcg	tgctcagctt	cgccgacaag	360
atcaaccagc	tgaagtctgt	ctcggtgggg	ttgatggcat	cgacagaatg	tgcatatgac	420
aaagaacgcc	tctcttttct	cacatccctc	gccgacaaa	tgaacaagcc	cgacacacaa	480
gaagcttaca	tctatgcctt	tgcggaacgtc	gccaatgtca	agcagcggct	caacgacttg	540
gatggagcac	agaaagatct	gggaacgtgt	cagaaggtcc	tgataactt	cgactcggtc	600
gagaccgtcg	ttcaacgctt	cttctataaa	gtcaacgctg	actattacca	taaaaaaaca	660
agaatttgcc	ttttctctata	agaacgcctt	cctctacctc	gcttgaatca	acttataaga	720
ta						722

<210> 4786

<211> 647

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(647)

<223> n = A,T,C or G

<400> 4786

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ggaaagtctt	tgtatgaact	gccatgagaa	cggaaacgaca	aggctcctcc	tcctccgagt	180
accttacttc	cgcgacatca	tcctcgaatc	cttcgaatgc	ccccattgcc	acttcaagga	240
caactccgtc	aaatccgctg	gtcagatcca	agagaagggc	gcaaagtaca	cacttactgt	300
ccagggcgaa	aatgacctcc	agcgccaggt	tgttcgaagc	gacacttcaa	tcttcaaggt	360
tgaatctctg	ggaatcgaga	tgcccaaggg	cgagagtcag	tttacgactg	tcgaaggagt	420
gattcagaaa	atctacgagt	cgctgtctag	cgagcaaccc	ctgcgtaagg	ctcaggcacc	480
tgaacttcac	gatgcgcttg	tgccctatcat	cgagaacctc	cagaagatcc	tgaaccgaga	540
cggattcccc	ttcacgctct	ctctcgatga	ccccactgga	nactcatgga	tcgcgcctac	600
tattnacgac	actggaanna	cactacagcg	tcgtgactac	cctcgtn		647

<210> 4787

<211> 688

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(688)

<223> n = A,T,C or G

<400> 4787

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ctaaccgagc	gtcatctatc	ttttttccta	tcacatttct	tggtctgtagc	attatcgagg	120
ttgatcagaa	actctcgacc	gtcaattgct	ctctcattct	tccttcaagc	tccccggatc	180
ccatctcaat	agctcttata	tctccccttc	cgtacccaca	catacacgga	ccaaaatgtc	240
gagtcacact	ctcctccaga	ctgccccagg	caagcgcac	gccctgccca	ccagagtcga	300
acccaagggtc	ttcttcgcca	acgagcggac	cttctctca	tggtctcaact	tcacgggtcat	360
cctgggcggc	ctggcgcgtg	gtctcctgaa	cttcggtgac	cgcctcggcc	gtatctccgc	420
cgggtctcttc	accatcctcg	ccatggcggc	catgatctac	gccctctgca	ccttccactg	480
gcgcgcagca	agcatccgca	aacgcggcca	gagcggcatc	gacgaccgtt	tcgggtcccca	540
ccgtcctggc	cctcgccttg	ttggcggccg	tcggtcgtaa	ctttatcctc	aggatcacgg	600
agaactaaat	ccatctnctg	tggtctcttg	agtagtatct	ttttcgagct	tgttttctca	660
aacccccctt	gtttgtgggg	cacgtgcc				688

<210> 4788

<211> 708

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 4788

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cgtccccccta	attcattgta	ttcccaggag	ctcctccccc	tattccaaac	gaactcaaaa	120
ccctggaccgt	ataccccacc	atgggcgaat	ctagacaaga	gcttctggga	tggtccaaca	180
acctgttgca	gctaaacctt	acgaagggtg	agcagtgccg	aacgggtggg	gctctctgtc	240
aagtctcttga	ctcgatcttt	atggatgtcc	ccatgtcccg	tgtgaaattc	aacgtcaatg	300
ccaggtatgg	ctaccttcaa	aatttcaagg	tccttcaaaa	cgtgtttggt	cgcacccagg	360
tagacaagcc	aattcccggtg	caacaactta	ccaaatgcgg	catgcaggac	aacottgaat	420
tcctgcagtg	gaagaaagaa	tattggggacc	agcaactccc	tggtgggtgac	tacgatgctg	480
ttgctcgtcg	gaaggcttcg	ggtgctcctc	ctgctgctgc	tggttctcgc	gcaggcgcag	540
cctcagctgg	agccacacgg	cggggagcta	cgcctaccgg	tgccgtaact	cgtccacgag	600

tcgcggcagc aagcgggcct aacgtgtctg cattgcagca agagatngcg actcagaagg	660
aagctattgg cgggttgagg aacggagcgg atttctatct tgcttagc	708

<210> 4789
 <211> 644
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(644)
 <223> n = A,T,C or G

<400> 4789	
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ttttccgccc gtttccccc tccatctctc ttttccctat gttttcgggc taccggactt	120
ccatctctac agcaatcgca agattcaaga ctccagcaca acagcccggtg ttctcgagac	180
atacgtcacc ccgctttctc gatcccccg cagagcaaat gtccgctacc accgctcgtg	240
cggacccttt tcgcccggcg aaacgggtcg ctggtcaaa acaggatgtc tggtaattg	300
tcaatgaagc cgtcgcggt tcccccggtc agcctatcgt gaacatgggc caggggttct	360
ttggctataa cctccccag tttgcgattg acgcgcgcaa agaggctctc gacaaagtgt	420
aatgtaacca gtactcccca accaagggtc gtccctgcct taagcaagct attgccgatg	480
cgtattctcc gtccgttggt cgaaagctca acccggtac tgaggttaca atcaccacag	540
gtgcaaatga nagaatgcta aatgctttta tgggttttat tgagcctggc gatganggta	600
atatctntga acctttcttt gatcaatata tcaacaactt tgaa	644

<210> 4790
 <211> 630
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(630)
 <223> n = A,T,C or G

<400> 4790	
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tatcatcgat atcttgctgc agcgtggata tgagacagta gtgacagtta gatccgaaga	120
aaagggacaa aaaatccttg acgctcacc cagtaccccg aaggagaaac ttctgtatgt	180
tattgtcaaa gatgtcgcag aagaaggcgc attcgacgaa gctgtcaaat ctaaccaccc	240
cttcgaactac gtccctcata ctgctctctc tttccattat aacgtttcag acccagtaaa	300
ggacttctct gaccgggcaa taaaaggaa acacaggtatc ttgaaggcaa tcaaaqccta	360
cgtcccgaca gtgaaacgtg tcgtgggtcac atcctccttt gctgcaattg tcaatgttaa	420
agaacacctt aagggtctaca gtgaggaaaa ctggaacccc gtgacttggt aggaagcaat	480
ggatccttcc caaacctaca gggcaagcaa gacatttgca gagaaggccg cctgggattt	540
tggtgagaaa ggaaagccaa actttgacat tgcgacgata aaatctnctc ttgttttggg	600
cctggtgtgc ctattaaatt ccctaattgc	630

<210> 4791
 <211> 754
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4791	
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cgcctctctc ctcaaaaact atcgctaaaa gatccaacaa ttaatatcct acaaatatag	120
tcttataggg cttgctaagg catcgatttg gacaaaatgg cggctgctca gattatctcc	180
aattccggac acgatgacat gattcacgac gctggcctgg actactatgg ccgcagatta	240
gcgacttgct cgtcgggata gacaataaag atattcgaqa tcgaagggtg gacgcategc	300

ctagtggaaa	ctcttaaagg	acacgaaggc	gcagtttggt	gtatcgcatg	ggcgcaccct	360
aaatttggtg	caattctggc	ctcttcatcc	tatgatggaa	aggtcctcat	ctggcgcgaa	420
caacaccaga	acacaacatc	ccctgtcgct	gttaacactt	ggacaaagggt	ctttgatttc	480
tccctccaca	cagcctcggt	gaacatgggt	tcctgggctc	cgcacgagag	tggatgcctt	540
cttgcttgcg	cttcttccga	cggccatgtc	agtgttcttg	agttccagga	taatagctgg	600
actcatcaga	tctttcacgc	ccatggaatg	ggtgtgaact	ctattagctg	ggcccttgcg	660
gcattctccc	gtagcctgat	cagtgcacac	cctggaccgg	gtcaacagcg	aagggtcgct	720
acaggcgga	gcgataatct	gctcaagatt	tggg			754

<210> 4792

<211> 644

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(644)

<223> n = A,T,C or G

<400> 4792

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cccaccatcc	ctctctgaat	ttattgggca	tcaccacagt	ccacggcaat	gcctctctgg	180
agaacacaac	caacaatgct	acaaggatat	tggaggccat	agggcgacca	gaaattcctg	240
tatatccagg	tcataaaaag	cctttctgta	ggcctgcaat	tcattgcgccg	aatattcacg	300
gtgattctgg	tattgatgga	accgaacttc	taccgaaggc	tacaaagtcc	ccaattacag	360
acaagaaccc	aattctggca	atgcgagatg	ccctcctagc	acagccaaaa	gggacacctt	420
gggttatagc	aaccggggacc	ttaaccaacg	tagctntgct	ctttgcgacg	ttccctgaag	480
tagcagagca	cattcaaggt	ctaagtatta	tgggtggcgg	agttgggtgga	ggcttcacag	540
atgcgcctat	gagtcgactt	gttgggtgaag	agtcaaggat	tgggaatatc	accctctctg	600
cagaatttaa	catctactgc	gatccanaag	catcacagtc	aaac		644

<210> 4793

<211> 699

<212> DNA

<213> *Aspergillus oryzae*

<400> 4793

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caagtgtgtg	cctgagtcac	ggcgcaagcc	taagggtatc	gactcccgcg	tccgtagacg	180
cttcaagtgc	aacattccca	tgcctcccat	cggctatggc	tccaacaaga	agaccaagca	240
catgatgccc	tccggccaca	aggttttctt	cgtccagaac	cccaaggacg	ttgagctcct	300
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tgtcaccact	gaggcttaaa	tgtcttagcc	taattaaatc	aacaattaaa	atcattatac	480
caaagcattt	tcaattggag	atggggatct	ctggcaaaaag	ctgcaagggtg	tcgcttcggt	540
ttcttgatat	gtcgtgaatt	gaaatgaatc	acttcgtggc	gataacgaat	ttctctttat	600
gtgcattgat	gggtgggtgg	taccacacact	qqqatataaa	atagaaatgg	gggcttttct	660
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<210> 4794

<211> 638

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(638)

<223> n = A,T,C or G

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<400> 4794
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tcgtctcagt cctttcgcg gacacagagg catacggacc agtattgcgg atcgctccag 180
acgaggtact attcatctct agtcgcgcac gggatgacat ttacgggtgcg cggccgggga 240
agcccgaat ggacaaagat accctctct acaagggtcc cactgcgcct cattcaattg 300
tgacggtgga tggcgagctc catcgctttt accgcccgtt gcttgcgaa ggattttcag 360
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agctgcataa ggaggtcgca gcagggaaga ccccgaat gacggcttgg ttcaactatg 480
cgacgttcga cctgatcggn gagcttgctt tcggcgagac ctacggctgc ctcgagaact 540
ctcactacca cccctgggtg gaaatgatcc tcgaggtgat gaaactccgt gcgatgacgc 600
attgctgtcg gtactatccc tggatatccc acatccctg 638

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<210> 4795

<211> 713

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(713)

<223> n = A,T,C or G

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ccaaagcctt tccggttccc tgttattggt tgtgagaagg cgtacaaaaa ccaaatgggt 180
ttgaaatata acaaagctca cggccataac aaccaacaat tacacgataa tgcagatggc 240
acattttcca ttgttaaccc agaaacctcg acgccgtatc ctggtacact cggcatggag 300
aaagaaaagc cgtaccgttg cgaagtctgt ggcaaacgtt acaagaactt gaatggtctc 360
aaatatcaca aatcgattc tctccatgc aaccccgact ttcaacttgc cgcttgccgc 420
aacctggctt tcggcggagg agtcatgcaa ggacagaata ttaatgttgc cggagctggt 480
ctacctggta ttggtgaaga aggtcttcta tanaaggctc cgtgaattta cacagcgtga 540
gaagaaattg ctttgctctt atacttcatt tcacaataat tcaatttgac gatttttgac 600
cgttttttcc cgggtgcgat caaatttatt accgggttcc gtggtttgga gatacctttg 660
gtttgaacct cctggtaaat gccggttttt tgtggcaacc cgcgaactga ttt 713

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<210> 4796

<211> 675

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(675)

<223> n = A,T,C or G

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agtcaaaact cagacccagg ccggtcaaga gcccttcaa tggatcagaa acctgacgcg 180
gagtcacctc gtaaaagcgg ttcccaagtt cagcaggttc ttccacggta cagcgacttt 240
tttcccogat cgcattaatc tcttccggt ttgaaggccc cagattggcc ttgatttttc 300
gaaagccgcg gatccccggg tttggatttg accagacggg tatccagact ttaattgong 360
gccaacccaaa acacccaaga acaattttta ttctaacaag gccaaccttg ttacacaaaa 420
aggcttaaca aatggcaacc gaagggtgac cccattgac ctgttcgcaa tttcaaacgg 480
aaatcttctc aatataaagg gaccgttatc gcccaacggg ttttccgaag aaaagaaact 540
cccccttttt tgacttcgac caaaaaaaaa ctcttttcga ggcccaataa atcttgaaaa 600
agggcggccac aaatttgagg ggaatgcgcg tttttccggc atgtgggggc aaattttttg 660

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ccccaccaaaa atgga

675

<210> 4797

<211> 694

<212> DNA

<213> *Aspergillus oryzae*

<400> 4797

aaacattata	accgtcttcc	aagtcgcct	tcacagtctc	tcgtttatca	aaccaccaag	60
atgaagttct	ccatgggtccc	ctcgttgctt	cttccccctgc	tggcggctgc	tgccccagcc	120
gccccggaga	accctccttt	cggtgtcatg	tccgctcgt	ctgcttcccc	catccacctc	180
ctccccatga	cgcctcccg	tcagaagtcc	tacottggag	gcaagaccca	gtcctactgc	240
ccccctccctg	agtcaaagga	ctgccccccc	ggcaccgaga	ccgtttttctc	ccctgggtggc	300
tatggcttga	acgtcaatgt	ccccggcggc	cagcaggctc	atgttgaccc	taagggcgct	360
ctctccttca	cccaggccca	ctccgcctat	atccccgagg	gctccgcctg	gggtcccttc	420
acttacaagc	ccggcgagca	atggggctac	tactccttca	atggctgggy	tgttccggc	480
ttcatggctt	gccctactga	ggacaaccgc	tggcaggtgt	ttgccgctgt	ccagaacgct	540
actgtcccca	agggtaacgt	cgtgtattgc	cttggtctcg	atgccttggc	tcccaaggct	600
gccaaaggag	gctgctgctt	ggcagtacat	ttaaactctgc	agttgattat	gggatcctga	660
tttgagagat	aatcagagat	gagaaagagt	gtgg			694

<210> 4798

<211> 318

<212> DNA

<213> *Aspergillus oryzae*

<400> 4798

tcactgtcca	gcctaactct	ggcgcccagg	gtgagtttgc	gggtctgcgt	gtcatcaaga	60
agtatctgga	ggctcaaggc	gagtccaagc	gcaacatctg	tctgattccc	gtgtctgctc	120
atggcacaaa	ccccgccagt	ggcgccatgg	ctggcatgaa	ggttggtacc	attaagtgtg	180
acaccaagac	cagcaatttg	gatcttgaag	atctcaaggc	taagtgtgag	aagcacaagg	240
atgagctggc	cgtgtttatg	atcacctatc	ctagcacttt	tgggtgtgtac	gagcctgggtg	300
tcaaggaggc	ctgcgaga					318

<210> 4799

<211> 418

<212> DNA

<213> *Aspergillus oryzae*

<400> 4799

ccttcttttg	ggcagtcata	ttgatacata	ctacttcctt	aataactaaa	gtcctcccca	60
ctctctcata	atggctgacc	aggcagtcgc	ccgcttgccc	ggcatcaatg	tcggcgcacc	120
ggcgcgccct	cttcttagtg	ctgacttcgg	tttgatcyyt	ttggccgtca	tgggcccagaa	180
cctgatcatg	aacgtgcgcg	atcacggttt	cactgtttgc	gcttacaacc	gcacaacctc	240
caagggttgac	cgttcccttg	aaaatgaggc	caagggcaag	tccattgtcg	gtgtctactc	300
cattgaggag	ttctgcgcta	agctgaagcg	tccccgccgt	atcatgctcc	tggttatggc	360
tggaaagccc	gtcgaccagt	tcattgagtc	tctcctgccc	caccttgaga	agggcgat	418

<210> 4800

<211> 658

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(658)

<223> n = A,T,C or G

<400> 4800

cggttctcaa	cggcattttg	tcaugatgcc	tttccacnng	caagtcaaga	anagcgctta	60
------------	------------	------------	------------	------------	------------	----

ctacagccgc	taccagacca	agtaccgcgc	tcgcagagag	ggcaagactg	attactatgc	120
ccgtaagcgc	ctgatcacc	aggccaagaa	caagtacaac	gctcccaagt	accgcctcgt	180
tgtccgcttc	accaaccgcg	acatcatcac	ccagatcgtc	tactctgaga	tctccggtga	240
caagggttttc	gccagcgcc	acgcccacga	gctcaagcgc	tatggcatca	ccaacgggtct	300
gaccaactgg	gctgatgggtg	agtactctct	caccgaggcc	gttgagaccg	atgacgggtga	360
gcgcgcgtccc	ttcaaggcct	tccttgatgt	cgggtcttgcc	cgtacctcca	cgggtgccccg	420
tgtcttcgct	gccatgaagg	gtgcctccga	cgggtggtatc	ctcgtccccc	actccgagaa	480
ccgctttccc	ggttacgaca	ttgagaccga	ggagctcgat	gctgagactc	tcccgaacta	540
catcttcggt	ggccacgttg	ccgagtacat	gganggtctt	gccgacgacg	atgaagagcg	600
gttccgcggg	cagtttcaca	agtaccttgg	gaacgagggg	gaggcgggga	cattgagg	658

<210> 4801

<211> 649

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(649)

<223> n = A,T,C or G

<400> 4801

ccaacattgt	cctcggcgaa	ggccgtggct	tcgagatcat	ccagggccgt	ctgggtccccg	60
gccgcattcca	ccacgcgatg	cgcacgatcg	gagccgcccga	gaaggcgatc	gagtggctca	120
tcgcacggat	caacgacgag	cgtaacgaga	ccttcggcaa	gagtctgtcc	tcacacggcg	180
tcatectcga	gtggctggcc	aagtcgcgga	ttgaggtcga	cgcgcgtaga	ctcattgtcc	240
tgaatgctgc	gatcaagatc	gatcaggggtg	atgccaaagtc	tgccctcaag	gagattgccc	300
aggccaaggt	tctgggtccc	cagaccgcgt	tgacgggtcat	tgaccgtgcc	gtgcaggcgt	360
atgggtgcgc	tggtgtgtgc	caggatacgc	cgttgggcgaa	tctgtggggc	atgattcgga	420
cgttgccgat	tgccgacggc	ccggatgagg	tgcacttgca	gcagctcggc	aagagggaga	480
accgggctcg	caaggatgcg	gttattgaga	agttgaaactg	gcaacaggcc	gaggcggagc	540
ggntgttggc	tgctaattggg	ctcaagctga	agagtcattt	tgtaatgaga	tgattttaat	600
acgttagagc	ccaggtaaca	atttgtctac	agccgatatt	tggataagg		649

<210> 4802

<211> 756

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(756)

<223> n = A,T,C or G

<400> 4802

ggggnnngnn	aatgatgacc	ttaacacaca	ggataaaaagc	ctggacccac	cttgggtatcg	60
aaatcggggc	caaggcgaaa	ccatggccca	attgggtttta	acacggcact	taatatcctt	120
tatcacgttg	gaactgtggc	actggcacgc	acgcacacac	tcactcactc	acacacactc	180
tctcttcccc	ctctttattg	agatccgcac	aaatgtccct	taccgagtct	tctgctattg	240
atctcgttag	gactgcttct	ctagcatctc	gagcgttggc	aactttatct	gaaacccgac	300
gcaatggagc	tctgacagca	cttcatgatg	cgttgctgag	aaacaagaat	tctatatattg	360
aggcaaatgc	gaaggatgtc	gatatggcga	gtcgggcccgc	tgcaagtggg	aattttaagcc	420
aaagtattct	taagagactt	gacttgctac	gacccgggaaa	gtacgatgac	atgctgaagg	480
gcatacttga	tgcccgggat	ttacaagacc	caattggaca	tgtgactctg	aggacactgc	540
ttgatgagcg	tctggtgctc	gaaagagtga	gctgtcctat	angrgtncta	ctgataatct	600
ttgaggctcg	ccccgtagtt	attgcgaata	tayctgcctt	atctataaag	tonggaaatg	660
cctgcactct	canaggcggc	aaggaatcta	cngaattctt	tgtgctatct	cgcagggtatt	720
tccgatgcca	tatcgagtac	ccangttcct	aaatcn			756

<210> 4803

<211> 920
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(920)
 <223> n = A,T,C or G

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<400> 4803
cgaggcgagc gagttcctat ttggcaagac cgtcgactcc ctcacccatc ccgagaatgt      60
gaaggtggcc aaggccatgg tcgacacaat gcgaggcatc cgcgtgcgtc tgaccatgtc      120
aaagctgatg ttcctccacc gtgacccagt gtggatggaa aatgtgaaga tcgtccggga      180
tttcgtggac gagcgcacgc atgccagtct gacgcagctg caggacgtta agagcggcaa      240
gggcacctca tgcacggaga atcagcctga cggtcgtacc gacctgctat gggacatggt      300
acagcagctg caagataagg aagctttgcg gggccaaatc atggcgtctc tcctcccttc      360
caacgacacg acatcgatgc tcctcagcaa cgctatttac gccctggcaa gacatcccca      420
tgtgtatcaa acactgcggg aggaggtgct cgccctggga gaccaggaga ttacgtttga      480
gaaactgcgt ggactgcgct acctgcgata tgctatcaac gagacccatc gtttgtacct      540
gaacggcatc cagatggtac ggattgctct ggaagacact acgctgccgg tcggaggagg      600
cccagatcaa agccaaccca tcttcaccca naaaggagac atcgtccatg ccaaccggta      660
cctcatgcac cgggacccag acaactgggg ccctgatgcc gaggtcttcc gcccgaggcg      720
ttggggagat gtccggcctc tgtggaagtt cgtcnccttt ggaggaggcc gcgcactctgc      780
cctgcgcatg tgctcgtcga tacggaggca tcatacgtgc tcctgcgctt tgtgcagcgg      840
tttcgcactc tggaggcccg agatgagcgg ccatacaagg ccacatgcg gnatgggccg      900
agcaatttgc atggggtgaa                                     920
```

<210> 4804
 <211> 643
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(643)
 <223> n = A,T,C or G

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<400> 4804
gcaatcctct agtgcgcgct cgcgggacaa gaacggtcag tattgttttg ggagccattc      60
ttaccatggc caccatcgca tacacgacaa cacgtgcagc cactcagggc cttgcgttag      120
ggtccaaggg gggccataac tattgcgcgc tggggacgga tgacaacgaa catggtcttg      180
tgaccaacaa gccgaccagt cgtgcgcgaga tgcgtgccga agttcttcgt gccgacgtgg      240
ctagtggcag tatacccgcc agtgcgctcg acgacgacag cgacgacgaa tctgatgact      300
ataacaccaa ggacgatgaa cgaggttcga cacagtataa ctactccttg ttacacgtga      360
tcttcttctt ggctacgaca tgggtggcca cgcttctcac ccagggcttg gagaccgaag      420
tcgagaatac agatgacttt gccgctgtgg ggcggactta ctggggcagc tgggtgaaga      480
taatcaacgc ttgtgtttga tacgcgattt acctgtggac gctgatcgcc ccggtgggta      540
tgccatgatc tttcggcgtg tactgagaat gtccggcaca gtcacctaga attgtattga      600
ctatacagcg gaggtagggc ttcacqaqca ttgagaagta ttn                                     643
```

<210> 4805
 <211> 661
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(661)
 <223> n = A,T,C or G

```

<400> 4805
ggggacatta actcgatcag tgtgaatcaa ctgaagtacc tgagcgcttg catgaacgag      60
gcactacgga tcttcccccc cggteccgcc gtctttccgc gccgggtccc tcaggggtgg      120
gatttcattg atgggcattg gateccctgt ggtactcaag tgggcattgc gcactactgc      180
atcaatcgca gccgccgaaa ctttgtcgat ccggacaaat tcatccctga acgatggctc      240
ggggatccca cgtaccagac cgaogatcgc cacgctgtgc agcccttcag ctacggtcct      300
cgaaattgca tcgtcataa cctcgcccggt ttggagatgc gtctgggtctt ggctcggctg      360
atctgggagt ttgattnga gctagccctt ggatcagagc ggtgggaaga agagggcgtg      420
gtcttcaatg tctggagtac aaagccattg atgatcaaat ttactccagt cgcacgctga      480
agtcagagag agtggataat gctaaagaca gtgttactct ttgattaggt agtcttttag      540
tgctagtaac atcgtatcgt gtgcgctgtg annaaaaaaa aaanaatnta aaaaaaaaat      600
tttctggggg gctccaaaaa tgtttctaaa ggccccatcc gtgaattagt ttttcccccc      660
t

```

```

<210> 4806
<211> 737
<212> DNA
<213> Aspergillus oryzae

```

```

<220>
<221> misc_feature
<222> (1)...(737)
<223> n = A,T,C or G

```

```

<400> 4806
cacgcaaaac gaattcccac tcaccaaaca cccccccagt ttcaaaaatg cgttactcaa      60
tcttctccac cctcctcgtc tctctcgcca cctctctccac cgccgccgaa ctccggcatcg      120
aaaagaccca cgaggtagaa tgcacccgca agaccgtcaa gggcgacacc gtccagatgc      180
actacaaaagg cacgctccag tccgatggct ccgagtccga ctctagctac aagcgcaact      240
cgccgttgaa gttcaagggt ggctcgggta tggttattaa gggatgggat gagggctctt      300
tggatatgtg cattggtgag aagcgcaact tgaccattcc cctgagtat gggatgggt      360
ctcgtggggg tggaccgata cctgggtggt cgactctgat ttttgagacg gagttgggtg      420
gtattgatgg tgtttcgaag gatgagttgt aaatttggtt ctgggttttag atttctttta      480
tttaatctct gatatcgggt tctccttttc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      540
nnnnnnnnnn nnnnggaannn nnnnnnnnnn nnnnnnnnnn gaannnnnnn nnnnnnnnnn      600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa aaaattcctg gggccctttc aacttttttt      660
taaagggccc catttgttta ttagtttttg cccgcttatt ttccgccctt tcccgaattt      720
cgttttaccg aaaagggg

```

```

<210> 4807
<211> 692
<212> DNA
<213> Aspergillus oryzae

```

```

<220>
<221> misc_feature
<222> (1)...(692)
<223> n = A,T,C or G

```

```

<400> 4807
ctcgtcccat cctcggaat ttctccactg tttcatttta cgcaglaaaa gacttcatat      60
attgcctggc ctgacttgct tccggtctgc attgcatata atatacaatc taccgcgtag      120
actccctcca ccttctcaca tccctccaac aactaccctg cgcggttgat cgtcgtatg      180
gatctcgtaa accacctcga aggcagactc cttttcgccg tccctaaaaa gggtcggctc      240
caacaggcaa ccttggacct gcttgccggc gttgacatcc aattccgtcg cgagaccctc      300
ctcgalattg ccttgttgaa gaacccctct atcgccctca tcttctctcc cgcgcagac      360
atccccacct tcgtcggcga aggtcgcgtc gacctcggtt tcaactggctg cgaccaggtc      420
gctgagcatg atgcacagct ggcgaaatggc gagacctccg gtgtggagga gatncatgga      480
cctgggttctn gaggctgcaa gctgcaggtg caagtcccg agagggtga catcacccag      540
gcgatgaaat tgggtccgcc gaacgtggnt accagcttca cgggcccctc ccgaggcctt      600

```

tcttcgctaa	gctcgaaggc	gtcgacgata	ccagcaagct	cttcaccaca	atcaagtatg	660
ttggtggcag	tgttgaaccc	gcttgcgcca	tg			692

<210> 4808

<211> 685

<212> DNA

<213> *Aspergillus oryzae*

<400> 4808

tacgaggcga	cagcgacttc	gacaatcccc	cccaacttcc	tgctctcgtc	gacgcagaca	60
ttcgctgcta	ccgcaaaaat	ggccgacact	cccgttaccc	tgccgactcg	caagttcatc	120
cgcaaccccc	tgcttgctcg	taagcagatg	gtcggtgacg	tcttccaccc	caaccgcgcc	180
aacgtctcca	aggatgagct	ccgcggcaag	ctcgccgacc	tgtacaaggc	caacaaggac	240
caggtctccg	tcttcggctt	ccgtacgcaa	tacgggtggtg	gcaagagcac	tggttcgcc	300
ctcgctacg	actcccagga	ggccctgaag	aagttcgagc	ctcactaccg	tctcgtccgt	360
atcggtgctg	cggagaagat	cgagaagccc	agcaacacgc	agcgcaagca	gcgcaagaac	420
cgctccaaga	agttccgtgg	taccgcacaag	accaaggggc	ccaagaagtc	caagaactaa	480
gcgcgccctc	gacctgtcga	attctgatgg	atatggatcg	gatgggaagg	attgttggtt	540
gcggccaagg	gctagtgcta	aagctattga	tgataaccct	gtggtggtga	ttgagcgatt	600
cgcattcgca	tatgcgatac	accataccat	accaaagcta	tgtatgctat	gcttatgcaa	660
atatagttat	catgccatga	cgatg				685

<210> 4809

<211> 668

<212> DNA

<213> *Aspergillus oryzae*

<400> 4809

gtcattgtcg	accttgcagc	agaggctggt	ggcaactgtg	aagcaactgt	ccccggacaa	60
ttgaccaagt	atcacgatgt	cactgtaatt	ggatatactg	atctaccatc	gcgactacct	120
actcagtcct	ctactctcta	ttccaacaac	atcacatagt	accttctatc	catggcacc	180
caggaaaagt	cgttcggtgt	tgatttatcc	gacgaggttg	tccgcggctc	aatcgtcaca	240
ctcaatggag	aaatactccc	tccggcacca	cgaccagctc	cgccaccac	gccgaaagta	300
gaagcagcag	ctccagcaaa	ggaacaaacg	gtactggcac	tgacgccctg	gaaaaaggca	360
acacgttatg	tggcgactgt	caccgctggt	atgggaacta	ctctggcatt	aggaaaagca	420
actggcccta	tctttatggc	caacatgctg	actttcgggc	ttgctggcct	ttgttggtta	480
ccgtggcggtg	tggggagtcg	cgcttgccct	tcattctccg	ctcatgagtg	tcacatacgc	540
aagttcgggt	atggatggta	ttgggggcat	cttcatcaat	ggcggagggt	taccggccta	600
gcacaatccc	agaatttcc	tggggccgctc	tggggggctt	ttagcaattt	ttaaatgtac	660
ctggaggg						668

<210> 4810

<211> 665

<212> DNA

<213> *Aspergillus oryzae*

<400> 4810

ctcgacactg	cttctctccg	gtttctcaaga	gctttctttct	catctgcgcg	ggccctctct	60
cggagctcta	gaagctctgc	tttgacatcc	ggtcggagga	caaccctgca	agcagtaacc	120
ttccacacaa	gtcggactct	cggtcaattt	cgatgctttt	ngcagtgctt	atccaataag	180
ctcactgaag	agaatggcca	ctttgatccc	cgccaagtgg	aaagggaatc	ggacgaggtc	240
gatgtttgta	ttgttggtgg	cgccctgctt	ggtcttgccg	cagcgattcg	cttaaagcag	300
ctggccaatg	aagctggcaa	cggaagagttt	cgtgttattg	tgttggaata	ggccggcgag	360
atagggcgcg	atattctctc	gggcaatggt	ctagagccga	ccgctataaa	tgagctttta	420
cgggatttgg	tgtcggggga	gaacccctca	agattcgagg	gtgctacacc	ggcaaaagga	480
gacaagatgc	gctttttgac	taagaactcg	ggaattccca	ttcctggcgc	atcgagagtg	540
aacaatcacg	gcaattatat	catcagcttg	aacgagttga	gcaaatgggt	gggttaacga	600
gccgaggaac	tgggtgtgga	aatccaccc	gggtttgctt	gcagtgaact	gggtacaaa	660
tccgg						665

<210> 4811
 <211> 672
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(672)
 <223> n = A,T,C or G

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<400> 4811
gcacacatca ctatttttcca totctttgtta cgcacctggt tactttccaga acccttttccg      60
ttattcttttc ttcttaacct teetctccac gatacctcat atctaacctt gtccagccaa      120
cttcttttccg ccttttctct ctagcgactt caagtgcggt cattcggttt ccacacgtct      180
tccccgcttc cctgtggcgg gagagctctc tccctccggcc ctactgccga cacaatgggt      240
gaaagctctt tctccagcgc tagcccccag ctcaagggtg gcacaaaaga tgataaaaact      300
tcagcatttc gaaagatctc agaggatgag gagtgggagq tgacgtcacc aactgacccg      360
acctttcaaa ctgcaaattc ggcggcaggt ttgtcgtccg ctggaaacaa cctcttttga      420
ggcaacgtat ttaatgaaca acaaggcggn ggaatacgtt ttgcgaggag tctttttgcc      480
gacctttctg gggatggaga agaccatgac gactttgacg aacacctga aggacctgc      540
ccgacaagtg ccttgaatga gggattcccc aataactacg cattgggtcg tcngacatct      600
gtgtctgctg agtctttgaa cccacacctg gcccgttcaa atagctgggt gccccgcac      660
caaccaaga cc                                         672
```

<210> 4812
 <211> 676
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4812
catttatccc cgtttcgtct ttaaacacca tcataatggt caagagcggg cttgcccggg      60
ccttcgggag ggctgttttt gcccggccta ccccggtcgc cgtcgcgtt ccttccaaga      120
taaagtccct cctttccctt gccagggttg ccagcactga ggccggcgct accggcaagg      180
ttcaccagggt cattggtgcc gtctgtgacg gtatgtttcc ggctcccac gaaaacctg      240
ttaccgggct acgcgaaaat cttttcctgg ccgcaattcc atcatcaaat catcaacaac      300
gactccatct gtggctcaaa acacgatatc tgactctcga ttacagtga gttcgagggt      360
gagaagctcc ctgccattct caacgccatt gagaccgaga acaatggcca gaagctcgtc      420
cttgagggttt ctcaaacatt gggtgagaac gtcgtccgta ctattgctat ggaggggtacc      480
gagggtttga ctctggtgcg cgtcgtcgcg gacactgggt ctcccatcac catccctgtc      540
ggctcctggca ccttgggcgg tatcctcaac gtcactgggt acccgcgcga cgagcgtggt      600
cccgtcagge caccaagtac gcccttatcc acgccgaagc ttccgagttt cgtgagcaat      660
ccactgaagg tgagaa                                         676
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<210> 4813
 <211> 679
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(679)
 <223> n = A,T,C or G

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<400> 4813
gtgtctcagg acattccggc cgctaagagc gcccgcgccc ggggctctta cctgcgcgtc      60
agtttcaaga acacccgtga gaccgctcag gccatcaacg gentgaagct ccagcgtgct      120
cttacttttc ttgacaacgt caccaacaag ctcgaggctg tccccatgcg gaggttcgtc      180
ggcagcaccg gccgttgccg tcagggaagc cagttcgggt ttagcaaggc tcgtcggccc      240
gagaagtccg ccaagttcct catcgacctc ctgaagaacg ctgaggccaa cgcgcacacc      300
aagggtcttg aactggcaa cctcgttgct aagcacatcc aggtcaacca ggcccccaag      360
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ggccgcagac	gcacctaccg	tgctcacggt	cgtgtatggt	tcccccatat	ttccggttga	420
tatcttttgc	tgactcgagg	cttagatcaa	cccctacatg	accaaccctt	gccacatcga	480
gcttatcctt	actgaggggt	aggaggttgt	ccagaagggg	cccgttgcca	aggagggctca	540
cctctcctcc	cgtcagcggt	gcctccaggt	ccgccgtgcc	atccaggcat	aagcggttca	600
tgggtgtcgg	ggatgaggtg	gtcggaaaat	gaatgggaaa	gccggagttt	tctgttgtac	660
ggaacaaata	cctttttan					679

<210> 4814
 <211> 695
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(695)
 <223> n = A, T, C or G

<400> 4814						
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catggcggtc	atgtccgaaa	tcggatcaag	gagcaccgga	gccatctagc	actgaccagt	180
gactggatct	cttacgcctt	catcgatgac	atcgtcgacg	gcttcgcacc	ttttatcaat	240
cgcgtccaag	ccggcggttg	actgatcgaa	gacgatgtat	ccataaccgg	accggacgat	300
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ctgatgaacg	acaagaccga	cgtcatccgc	tgtcttcgatc	gccactgcgg	ctcgtttggg	420
ccctcgacaa	tggatgtcac	tctgtatctc	ggcgacattt	gtgaccacgt	gctttccatg	480
gtggccgata	tgtacaatgc	ggagcagatg	ttgtcgcgag	cacaggagaa	atatctgaat	540
cagctggcgt	tcgattcgac	gcgtatgcga	aatgaaatng	cngccactct	tnaccggatg	600
accgtcgttt	gtgggattct	tgtgccaatg	cagttttctca	tccgtctctt	tgtatgaatg	660
tcacaantcc	tggcccgact	tcggaggatg	tgact			679

<210> 4815
 <211> 658
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(658)
 <223> n = A, T, C or G

<400> 4815						
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tgaccacaag	agacagaccg	accccgaggt	ccgcaaatcc	ttgaagagaa	acaaccgtcg	180
tctggcgaga	gctgtgaagg	aggaagccga	ggctcaagga	gccaggaac	gggaatccat	240
caagaagtct	gtccagcagg	ctcaggatga	gggtttcccg	accgatcttg	aagagaagga	300
ggcctacttc	atgggccaa	ttgcccgggg	agaatctctc	tgcgctgaag	gctcagacaa	360
gatttqaaqct	gccctgtgct	tctacaaggc	ccttaagggt	tacctctcac	ctaaggatct	420
gctctcgata	tatgacaaga	ctgtccctan	ggaagtcttg	gaaattctgg	ctgaatqgg	480
tgcgatggac	gcggcttntt	gagctggcac	atttactggg	cgaagggtgca	gtgcttgatc	540
agccatgtgt	cgagtaaaag	aacagacgtg	acgcatttca	tggattccga	ctcgcgcctt	600
cggcattgnc	aacattccaa	cccccttcgg	tataaaaataa	gaactttgct	tggcctgg	658

<210> 4816
 <211> 642
 <212> DNA
 <213> Aspergillus oryzae

<400> 4816

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gatgcgccgg	tacgacgtcg	ctgagccaac	ttctctgggc	tctttgagca	agattcaatt	120
ggtcgaacag	aacaagggca	cccagccaac	cctggcacct	ttcaagaagg	ttatcgatga	180
cttctatttt	accgactcca	tttctcggag	ctcgcccaaca	atggcccgat	gctcagcagc	240
taaggccata	ggaaaccggg	agacaatctt	tatggctgct	ggtgaaatgt	ctccccaagc	300
tctgtacggc	tgagaccttg	cgacttagag	catgatatgc	ctagatttgt	tttccgtgtg	360
tgtctattgg	ctacgcgttg	tcgttgtaag	acctatgctt	ctctaggtgt	gttttgctcc	420
cttatcgttg	acactgttaa	gtcatgtttt	gcgacctcag	tctcaatatg	ccgcacatat	480
cacctcttgg	tattaaatgg	gatgtcagta	acggtgaact	tgtacataag	attgaggtaa	540
acgtcagctt	ttacgcatac	acgtactcga	gaactcacta	caatgccaa	cctgtgggatg	600
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<210> 4817

<211> 711

<212> DNA

<213> *Aspergillus oryzae*

<400> 4817

cgaggccacg	acaacccgaa	cgacatTTTT	gcgggtcatt	tcctcgactt	gtttgcgttg	60
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caagggacgt	cacctgagct	accagcgctc	caagcgccag	gtcaacccca	acaccagtct	180
gatcaagatc	gacgggtgtg	acaacaccga	ggctgccaac	ttctacctcg	gcaagaaggt	240
cgttttcgtc	taccgggcca	agcgcgaggt	tcgggggttc	aacatccggg	tgatctgggg	300
caaggttact	cgccctcagc	gaaactccgg	cgttgtccgt	gctcagttcc	gccacaacct	360
cccccccaag	tccttcggcg	ctactgtccg	cgtcagtctc	taccctcca	acatctaaat	420
gactcgcttt	tattatgtgt	tagttggcac	tcgggaatct	tcgcgcagac	agtcggggcaa	480
ggagtcgacg	gtatgagcca	atgttgagat	ggagttggcg	ggttgataat	gttcgtggga	540
gaggcagggc	cgaccagccc	tacgaattaa	aataaaaagaa	cttttatgtc	ttctttcaca	600
acatggatat	ttgtcagtta	ctaggcatta	gaaaacgctt	gacccgttct	caataccggc	660
aagcatcatg	tgttttttct	gacaccatgg	ctttttccacc	acctcggggc	t	711

<210> 4818

<211> 1042

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1042)

<223> n = A,T,C or G

<400> 4818

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acgatgtcaa	gctcaagccc	tacaccgata	tctgtcctaa	cggtcgagtc	ccagcgatcg	180
tcgatcccaa	cactaaccta	acctcttggt	aatctgggtg	cattatccag	tatctggaag	240
aggtctacga	cacggacaag	aagctaacct	atgagtcgct	caacaaaagg	cagctgctga	300
accagtacct	tcattttccag	atgagcgggc	aaggggcccta	cttcggccag	gctggatggt	360
tcacgtctct	ccatcacqaa	agaatccctt	ccgccataga	gogctacaac	gaccaagtaa	420
agcgtcttct	ggagylgtta	aacacctggt	ttgaagggaa	agcctgggtc	gtggggcgata	480
aatgcacttt	tgcagatttg	tcctttgtgc	cctggaactg	tgccttgac	atgctgctgc	540
agacaccccc	gggcgaggac	ccactggcca	aataccccaa	tgtgcaggcc	tggcatcacc	600
gtatgggtga	togacottca	tggaaacgct	gcattggaggt	togagataag	cttatggatg	660
atcaggggtt	aatgccta	gggatgcccc	aggggataaa	taattattca	gagtagcagg	720
ctgagattgc	gogggaggtt	gctgagaaag	ggaaggagta	aattgcaata	ggagtgggtga	780
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gaggtcgaat	agatatattg	tcttaatttg	aaaaacaaag	anagaaacaa	aaaagaacag	900
aacaacgggt	gtgttggggg	aagaaatcaa	aagcgatgga	taccatttgg	gcctatatatt	960
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tttactttta	ccgcctctcc	cc				1042

<210> 4819
 <211> 692
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(692)
 <223> n = A,T,C or G

<400> 4819
 gaagtagact ggaagccgga cgcagtgcag ggtaacatag cactaactac ctttttgaat 60
 gccatttcac tctgtaacct ttcgactgta caaaaggaac aacagtcaat gccatcggaa 120
 aaggatcctg aacatggcgc gcaagtcagg tggaccgcag tcgggggagcc tactgaaatt 180
 gcccttcacg tcttgcgaat gcgatttggc ctgggaaaac caaatatact gcaagacagt 240
 aattttacaac ttcacacaga gtacccattt gactcttcaa tcaagcggat gacggtaatt 300
 taccgtagtc ttgaaacgag catgaacgag gtatatacga aaggggctcc cgaggcagtt 360
 atccctagat tgaatagcag cgagatagag aagtcttcga tccaagacac tgcagacaga 420
 atggctgggg aggggcttcg cgttctttgt gttgcttaca aaaaggctcc tattaataat 480
 gagtctgagg taccctcgcg taccacagct gaatcaaatt taagttttgg tgggctcgtg 540
 ggactatatg atcctcctcg ggttgagact gcagcagcgg tgcggagatg ccaaattggca 600
 ggcacgcgtg tacacatggt gaccggtgac catatacggg cagcgcacagc tattgcatnc 660
 gaagtgggtat attggacccc gtatgggtgc ta 692

<210> 4820
 <211> 668
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4820
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 tcccatcagc aatactcgac catgttctcg cccctcgcg atgacctgaa ctcccccgat 120
 atgtatatcc cggctcatggc tctcgtcaca tatatcctcc tatcggcaat gctggcaggg 180
 ttccagaggca acttccaccc cgagcttctt ggttcgatca cgacaacagc tattgcagtc 240
 atcgtattcg agatactttg tctaaagctg gctacctata ttctcagcat caacaatgag 300
 tcgcagctac tagatctcgt ggcttactca ggctataaat ttgtgggcat catcattacc 360
 ttagtgacat ccgaggttct aactccggga agagggaaccg gtggttgggt cggctggggt 420
 gtgttctatt acacgttctt agctaattcg ttcttcttgc ttcgttcttt gaaatatgct 480
 ctcttccggg actcagccac tgatgcacgc acgggatcga tgcacaccgt cgcccggta 540
 caacgcaatc gtgcacacca atttctgggt atctattctt atgttatcca attcatcttc 600
 atgtgggtgc tgaaccgaga ggcccaactt gttcgaacgt agctggttca gcgccgtaat 660
 tgaactat 668

<210> 4821
 <211> 677
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(677)
 <223> n = A,T,C or G

<400> 4821
 gattagtggg ctttattcag gtcttgagtc agcggttttt ggcatcagcg taaccaactt 60
 cgtctattat tactggtagt aatggacccg ctccggcttc gagaaggctg ctgcaaaggc 120
 tggtcagacc tcaacgaagc ttacgaccgc cgaatccatg attgctgggg ctatcgtcgg 180
 aagtgaacg gtgctgatca ctaaccccat ctgggttggt aatactcgga tgacagcgcg 240
 aaaatccgag tcatacgaag cgggtattgcc ggggtgctcc aanaagacaa aggcttcgac 300

gattaacact	ctgctggacc	tgctccggca	ggaggggacct	aacgcccttt	ttgccggcgt	360
tctgccggct	ctcgtcttgg	tgattaaccc	catcttacag	tacaaccatc	tttgagcagt	420
tgaagaacgt	agtggaaacg	tcgtatgcgc	atgacgccga	aagaagcggt	ttaccttggg	480
gccctgggca	agatcttagc	cacgtgcac	acataccctt	atataacggc	cataagtcgc	540
atgcacgtg	ctagcaagga	cgggtcgaaa	ggaaacgttt	gaacggcagc	ttgaagacga	600
tcatcaatga	cgatggggac	gtgggactgg	tataaaggat	ttggccccga	aagtgcacac	660
gactgcgatt	actggag					677

<210> 4822

<211> 694

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (694)

<223> n = A,T,C or G

<400> 4822

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gcctggacgg	gaaactcata	gccgttgccg	tcctggactt	gatgccgagt	ggcgtgagct	120
ctgtatatat	cttctatgat	cccgactacg	aacaatggga	attcgggaaa	ctcagcgccc	180
taagggaagt	tgccctctct	attgaaggta	gttaccagta	ttactacatg	ggctattata	240
tcactcgtg	ccagaaaatg	cgttacaagg	gacccctcaa	gcctcagtac	atcctcgacc	300
ccgaaagcta	cacatgggat	ccgcttgacg	gcgaactggc	aaagaagcta	gacgaacgtc	360
catacgtatc	gctctcgctg	gaccgcgcgc	ttgcggctga	aggcacacca	gagtcgcgcg	420
ggacagaggc	cgatgccgaa	atcaatgatg	atgaggatc	tctcttcgac	ctgcgcgatc	480
ccggtgtcct	gtctctggag	gaagtggagc	ctttggattt	ggaccactgg	ctactcctcg	540
tccatggtag	ttntgttcat	atgattgacc	tcgtgggatg	ggagacgatg	cctatggata	600
accccccaatc	ggttaaaggg	attattgctg	aactttgccg	cggtgttggg	ggccgaaaat	660
tgtcaaggaa	agtgcgcgcg	gattattoga	ctac			694

<210> 4823

<211> 670

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (670)

<223> n = A,T,C or G

<400> 4823

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aaaaggggca	acaaatgaaa	gccgcaagac	cacaacacgc	ctcccgactt	gaattcgtcg	180
agatacaaga	tttctcgcaa	atcggagtat	tcgacgatat	catggagggt	atagacggcg	240
tcatccacgt	cgcgagtcca	ttcacatacg	acaccannaa	caacgaacaa	gaactcatca	300
tcccagccat	gaacgggggtg	aaatctatcc	tctccgcctc	agcgaaacaa	gccagtgtga	360
agcgcggtgt	tcttacctcc	tgttttgcat	ccgtgggtga	tatctcgaga	naqtatgagg	420
gggattttac	ctacactggc	tcacactgga	atcccttaac	ctacgaagaa	gcgattgata	480
ccgcacagaa	cgcggtagta	gcataccgag	gatcgangaa	attcgcgcga	ctagaagcct	540
ggaagtccat	cgagcgtgaa	aagcctccct	tgatctcggt	acgctttgtc	cgcctatgaa	600
cttccggtct	gttgtgcaac	cagtaaatgg	ggtaccgggg	ttgacgagtc	gaatgcgggtg	660
ctctggagtg						670

<210> 4824

<211> 701

<212> DNA

<213> *Aspergillus oryzae*

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<400> 4824
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aattggctct ctctagaag gggcaaggaa gagccttttg gcagctggtg tagttgagga 180
ccatatcaca accctcactg tcccgggcag ctatgagtta ccatacgccg ctacgcggct 240
ctacgcagct tctcagttac aagcagccaa gagctcgtcc tccggtgagg gaatcagtcg 300
cacggacctg ctctcttct ctaccgcaga cattagcaaa gcgtccccgg aatcgcaaac 360
accgcctacc tctagggcgt ttgacgccat tatggccaac ggggggcctt aataaaggga 420
gagacaatgc attttgaggt acatcgcaga tggcgggccc tcacggaatt aatgcggggt 480
caattaaatt ccgggcgtgc cggcaaattt tggggggggc accgtttttg acgaaaaca 540
agggtttgga aagggttggc gtaggcaagg aagggatgcc taatcatggg gaaaattggg 600
ggaccgcccc ccttggaact tgtggccagc agaagagaaa tggctgaaa ttaaaattgc 660
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<210> 4825

<211> 1146

<212> DNA

<213> *Aspergillus oryzae*

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<400> 4825
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cgtcagatac atatttccct caatacgtgc cctcaaacag cacaatgtct gtctccattg 180
aaaccacga cattgcccc gccgtccca ccacacaggc ggccccctgc ctcggtattt 240
agaacagaat gcctgagttc agcttggtcg gaaaggctgc ctgtgtttct ggcgtgccc 300
gtggtctttg tataactcag gctgaagcgc ttttggaagc cggggccaac gtatatgctt 360
tggaacctct ggaggaacct tcccctgaat tcttcgaaat ccaaaaacgt gccacggaag 420
agctgggaac ggagctggaa taccgtcgca ttgatgttcg tgacaccgaa cttctcgaca 480
gtactatcga agccatcgcc gattccgagg gtcgcttga tggcttgatt gctgcggcag 540
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aagtcaacgt cactgggtgtg ttcatgactt ccaaggccgt tgctaagcaa atgattcgct 660
tcggcaatgg aggtagcatc gcaactaatt cgagcatgag tgggtactatt gccaatcggg 720
gtcttatctg cctgcttac aatgctagca aggctgcagt gcttcaactt gcccgtaacc 780
tcgccatgga gtggggcccg tacaacattc gagtcaacac catctcgccc ggctacattg 840
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aacataacat gctgggacgt ctgtctaccc ctaacgagta ccgtggcgct gccgtcttcc 960
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ccgcttggtg gttggcattt acatgactct tttgtttcct ttgcatattt ctaaatttat 1080
atcatcgatt ctattgcatg gcgtcaggaa atcaaacgtg atcggatttt ggatttgatg 1140
gccttg 1146

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<210> 4826

<211> 554

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(554)

<223> n = A,T,C or G

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<400> 4826
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aagacaaaga gcattgggtg tagtaactgg gggtggaagc acattgagga gatgaagtca 180
tatggaagg tttggccgcc gcatgtgaac cagattgagc tccatccctg gtgtcaacag 240
cgggttgtaa atgcgtattg taagaagcat ggcacgttg ttgaggccta ctccccgatt 300
gtgcgcaatt ataaagccag cgatccataa cttgtcgacc tggcgaacaa atatggaaag 360
acaacccagc aggtcttggt acgctacgct ctgcagaagg aatgggtacc gctgcccacg 420

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tctgataacc	ctgatcggat	tgtggccaat	gccaacgtat	ttgactttga	aatcagcgag	480
gaggatatgg	ctgtgttgaa	tgccttggat	canggaagcg	ctggagctat	tgtggaggcc	540
gtgaaaacga	ttaa					554

<210> 4827

<211> 666

<212> DNA

<213> *Aspergillus oryzae*

<400> 4827

tcctgggtgta	ttattctcca	ctccaccaat	caaccgtccc	ttcatatcat	accgacaaga	60
tgagcggttac	cacagccgcg	cccggtggagg	ccaaaaccga	gccccagaag	ctaagcggct	120
tgaacctgta	ttcgcgattc	gcattcgcgc	gagccgtctg	ctgttccgtc	acccacggag	180
gtctcacccc	cgtcgatgtg	taagtcgcgc	caattctcgc	gaacaaccaa	aacgacatcg	240
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tcacccagaa	tgaaggcgcc	ggcgcccttc	taaccgggtg	cggtccctaca	ttccgccgggt	420
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tggtgtcgga	gccgaccttt	gctagtggcc	tttgttctgg	gttcggggagg	attgctcgtc	660
aagagg						666

<210> 4828

<211> 678

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (678)

<223> n = A,T,C or G

<400> 4828

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gcagaataag	gaggccaatg	aaggaaaagga	ggccaagaag	gtccagttcg	ctaagaacct	180
tgagcagggc	cctacccact	ccggccagga	caagaagcct	gacgagcaga	ccaccggcac	240
ccttggtgtc	aagggaagtta	agggcggtcaa	gattgatgac	aagaagcttg	gaaagggacc	300
tgccgtcaag	gccggcaaca	ctggtgccat	gagatacatt	ggaaagctcg	aggacggcaa	360
ggtctttgat	gccaactaga	agggttagcc	tttcaccttg	aagctcggca	aggggtgaagt	420
aatcaagggc	tgggatattg	gcgttgctgg	tatggccggt	ggtggtgagc	gccgcatttc	480
gatccctcct	gatctggcct	actgtaaaaa	ggctcttccc	tgcatgcctg	gcaactctaa	540
ggtgatctat	gatgtcaagc	tgcttgagat	caaatagacg	tttgctactt	ctatctataa	600
tggtgcatat	tagctcgatg	attgggtatc	actgtggcag	tggtgtacat	gatgattgtc	660
cttccctatc	ttcatgcn					678

<210> 4829

<211> 677

<212> DNA

<213> *Aspergillus oryzae*

<400> 4829

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cgagtcgctg	gctgaaatct	acagcatcat	agtcacgctt	gattggtctcg	agaaggctta	180
cattaaggat	gtgggttacg	aagcggagta	cacagaaacg	tgtgctcggt	tactgaagca	240
gtataagctc	agtttggttg	acgacactgt	cgcaaacgag	tttgctcgatc	tgagacctt	300
caagcgaacc	tgggggttgg	aatgtccccg	tgctaccgaa	cgtcttcgta	tcggacttcc	360
tgcgaccgtc	qagcaggcca	qtcacaacgc	accagcggct	aatatggggc	cggcagcagg	420

ccctcctgga	ggtgcttcag	gcagcttgat	cctgacggcc	acggagaact	tcatcacttt	480
cctcgatgcg	ttaaagctga	atatggtgtc	gaaggatgcg	ctccacccac	tgctctccga	540
ggtgatccag	tccgtcaata	aggtgacaga	cggggacttc	gaaaaccggg	caaaaatcat	600
tcagtggctg	atcacattga	accagatgcg	tgcgacagaa	gaactgagtg	aggatcaggg	660
aagagagttg	tcctttg					677

<210> 4830

<211> 600

<212> DNA

<213> *Aspergillus oryzae*

<400> 4830

cgaggccctc	ccctccctc	ttaataaact	aacttacact	tctgacctgt	cgctcattcc	60
cactgagata	aatgagatac	ttcaggcgct	gttaaacaatg	tcttcttcta	aacctctct	120
tactacccag	gaactccaga	cccttgctc	caaggcgatc	gctgctaaag	ctacggccta	180
ctgcccgtac	tctaaattcc	gggtgggggc	atgtattctc	acctagtcgt	gtgagtacat	240
cyttggcgcc	aatgtcgaaa	acgcatacta	tctgtcggtc	acctggcgag	aacgagtggc	300
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tagtaacccc	ccagcctccc	cgtgcgccat	gtgtagacag	ttcatgaacg	aattttacgac	420
tccctctttc	cccattttaca	tgtatggctc	tgaaggaaac	tacactatca	agacaatgcg	480
cgagcttctc	cccgactcgt	ttggaccgga	ggattttctca	aaggaaaggg	tacagtcctc	540
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<210> 4831

<211> 675

<212> DNA

<213> *Aspergillus oryzae*

<400> 4831

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catctgtctt	tatcgtctct	ctcgcgataa	cccctccaat	cctcctcgca	atgggcaaat	120
tgacctccac	gatcggtatc	ccgatcaagc	ttcttaacga	agcccagggc	cacgttgtea	180
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tgaacgttca	actgaaggat	atcacggtca	ctgctcgaga	tggtcgcgctg	tcgcatttgg	300
atcaggttta	tattcgcgga	agccatgtga	ggttcttcat	tggtccggat	atgttgcgga	360
acgcccccat	gttccgctca	cgaggccagc	gcggccgcgg	tgctcggtctc	gctcgtggta	420
aggccaccgt	gcagcggtgc	cggggccaac	ggaggggtta	gaaaaacgga	aaaatattca	480
tatctcatat	taatgggctg	tgatttgggc	ttctttggtt	ctttcaacgt	gccgttttaa	540
cactttacat	tggggctttt	cctgaaaaat	catttctggg	tctacatggg	aatcttatta	600
cccgccatgt	tgggggaccg	ttctcgtttt	tgacgctgat	gctggttttg	agtcgtgggt	660
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<210> 4832

<211> 647

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (647)

<223> n = A,T,C or G

<400> 4832

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caagttactc	ttgcctctct	tgcagcgctc	ctaaaccccg	ccgacgtgaa	ccagatccag	120
gggggtgtatc	cgagcaaaac	gccattccag	acaacccctg	gtaccacagga	tcacatggcca	180
gtgggtggaa	atgaagggtc	ctttgaagta	attgcgactg	gatctaattg	caagaacctc	240
agcaaagggtg	attgggtcgt	catgaagcag	acaggacagg	gcacctggcg	cacacacgct	300
cagatggatg	agtcgcagct	gatcaaaaat	gagaataaag	atggcctatc	accgctccag	360
attagcacag	tcagcgtaaa	tccagtcaca	gcttaccgca	tgatcaagga	cttttgtgaa	420

tgggactgga	tgcggagtgg	ggaggaatgg	ctgattcaaa	acggagcaaa	cagtgggtgtt	480
ggtcgcgctg	ccattcaact	tggccgagaa	tggngtatta	agacgatcaa	tgtcattccg	540
ggagaggaga	accccggaag	aaacggaaag	tctgaaagct	gagcttcatg	aactaagggc	600
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<210> 4833

<211> 695

<212> DNA

<213> *Aspergillus oryzae*

<400> 4833

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gggaacttgc	atctcttggg	tcttgctatc	atatgtcggg	cggcgaacta	tgtacctttt	180
cggctgttct	tcgctagcac	ttctgttggt	tataatcggg	gccgttgacc	tcgccccgcg	240
tcaaacgaac	acagtatggg	cgcattgggg	tctcatgttg	gtctgcacat	ttgtatatga	300
cctcagttct	gggcccgttc	gctacgtgct	tctggccgaa	gtatccctcc	ctgctctgcg	360
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cgtatccccg	tacgctatga	atgaagacga	agccgactgg	aaggggaaga	tcggcttcc	480
cttctctgga	cttagtggtc	tgggtgttat	atatgtttac	tgggtgatgc	cagaaaccaa	540
gggcaggacc	tttgaggagt	tggacatcct	tttcgaaaag	aaggtcccta	gtcgggaagt	600
caagtattat	aagattgaca	ttgatattga	cgggcggagg	cttgaggaat	agtcaagttt	660
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<210> 4834

<211> 462

<212> DNA

<213> *Aspergillus oryzae*

<400> 4834

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ctttcaagggt	gcaatgcacg	tctgtcggg	agacacaccc	aaactgggtc	agcttcaacc	180
gttttgagca	acatgaaatc	cctggaagcc	gcggagaggc	gaactttgtc	tggaaatgca	240
agctttgccca	aaaaacccat	tccgcttcta	ttgtcgcagg	tcccaatgtg	tacgaagcgg	300
acgagaagcg	caagggcccg	aaagtgatcg	acattgactg	ccgcgggtct	gaatttactg	360
attttaaagc	tgatggcgaa	tggcaggcga	agggcaccga	gtcttccact	ccctttacgg	420
ccatcgacct	gtctgagggc	gagtgggtatg	actatgatga	ga		462

<210> 4835

<211> 914

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(914)

<223> n = A,T,C or G

<400> 4835

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ttatgagcct	aagaattggc	atgggaactct	ccttttttgg	gccgtcgtctg	ttttctccgt	180
gggtattaac	agtgtgggag	gaaacctgct	gccccgttcc	gagggcctga	ttcttatect	240
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atttttcctc	ggctctagtg	gttgctgtgt	tgcattcgca	ggtgggtgacg	ctgctgttca	420
tatgtccgaa	gaaatcacca	acgccccggg	tgtgttccca	cgtcccatca	tgtctagtgt	480
tctcatcaac	ggaacattag	gtttcagtat	gttgatcgcc	atgttgttct	gcctgggaga	540
tatcgaggca	gacctgggtat	ctctactggt	ttatccattc	atggcgattt	tcctccaagc	600

aacgcactct	gtggctggca	cagcaacaat	gggcgctatc	attacgacta	tgggaatatg	660
cacatcggtc	ggcatgttgg	cctcaacatc	acggcaatc	tggctctttg	cgagagaccg	720
cggaattcct	ggctggcgct	tatggagcan	ggtgaccccc	gaatccgcca	tcccaatcta	780
ctccgtcggc	ctcaccacaa	tctgcgctg	cctactagcc	ctaatacaaca	tccgctcttc	840
agtcgccttt	aacgacctcg	tctccatgtc	catctncggt	ctctaccttt	cctacatgat	900
cgacgcccgt	cttt					914

<210> 4836

<211> 1269

<212> DNA

<213> *Aspergillus oryzae*

<400> 4836

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taaccattgc	ccttccctacc	ctgattccgc	agccgcatta	ctcattttctg	ccatgtcgaa	120
cttaccatct	catgctctgc	cgacattcac	ggcgagagcc	tcttccctctc	atcgagcggg	180
tgatgatatg	tctctggact	caacctctgc	ggctccacca	tcattgaaca	gcagaataga	240
cgagcttcgt	ggtgatgccg	caagtcaaac	tgacgccaca	gagcacaccc	gaggcgatat	300
tacccccgca	gtgcccgcct	ctcttctctc	cccttccctc	acccctccag	cgacaccagg	360
tggcacgata	aaccaagcgc	aactacttca	gcagactcaa	caaccacgc	acactaaacc	420
gcctaagctc	ctctcctgcc	ttccaaatgt	cgagtgtatt	gttcgcgcac	ggatcccaac	480
caccaatggg	gcccagatgt	tccttcacct	ctaccacaat	gacctggaca	acaaagagca	540
cttagcaatg	tgttccgaaa	caagatccga	tccccgaagt	ttggacgcaa	tccgcccggg	600
ggaaacggaa	atggaccgaa	tgattcgtgg	ggcctacatc	ggtaccctcc	gtcccggccg	660
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gagcacccca	gatgcccctg	ttctgtcaca	gacatcagag	ttagcacaga	gtagcacaaa	780
ccaagcgccg	ctgggttagaa	tccattcgga	atgttacacc	ggcgaaacgg	catggtccgc	840
gcgctgtgat	tgtggtgaac	agctcgatga	ggcggcacgt	ttgatgtctc	tcccgatgga	900
aactttgaat	gaggtggcat	cccagcaaga	tttatctgtg	ccttcgaatg	catctggagg	960
cgtgatcatt	tacctccgcc	aggaaggccg	cgggatcggg	ctaggagaaa	agcttaaagc	1020
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cgcggtatgc	agaagctacg	gtcttgccac	aacgagtgtg	gtggatcttg	gtctaggtgt	1140
tgattccaac	ccacatggaa	tccggctggg	accaacaaac	cctgacaaga	tccgggcccgt	1200
cgagggacca	aacccgaggt	tggtttgaag	aaaaattacc	tatggctcct	ttggcctgac	1260
gaaaagtggt						1269

<210> 4837

<211> 579

<212> DNA

<213> *Aspergillus oryzae*

<400> 4837

cgacctctct	tctcagcgtc	tctcccccctc	tccccccctc	cagtgtgcca	ttgtagagtg	50
tccggtcttg	ggttacagac	acatctatcc	aaaatgacca	tcaatcctac	ttacctcgcg	120
cagcgcaacc	gtctctctgt	gaactggacc	gatgccaggg	cccgcgtcct	caagtccctac	180
agagaatggc	ttagagcgtc	ccctgagatc	cagaccatgt	actctctgaa	catgccggta	240
tccgccatcc	gcaccaaggt	ccgccaggag	ttcgagaagc	accgctatgt	gaagcagctc	300
ggtgctgtcg	atgtcctggt	attccagagc	cacgctgagt	tccaggaaac	ccttaactac	360
tggaaagcgc	tttctcatgt	gatgaagtac	ttccgtccag	aggaagaccc	cgggtgcccg	420
ctabctctca	atttcatctc	gggcttcttg	gaaggccgca	attgaattga	atttctcttg	480
agtacctttg	cattgaaatt	tctaccttgg	cttggggatt	gcaccaatag	agtggttatgt	540
aaatattgac	tjagtaacta	acgtcggata	tggtagctt			579

<210> 4838

<211> 512

<212> DNA

<213> *Aspergillus oryzae*

<400> 4838

tactcgatca	cgacaaatac	cagggcgaca	ttgcgaacgt	tacggtggac	tccctetaagg	50
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aagataatcc	tacggctatt	gcggacactg	gaacctcgct	tatgctgctc	atccaataag	180
tgggtggacgc	ttactatgca	aacattgaag	gtgcgaggtta	tgctagcagt	gccagcggtt	240
acattttatac	ctgcaatgcc	tcgctgccga	gtattttcagt	tgcaatatga	tccaaccatc	300
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gagatggggt	cctgatggcc	ttctttgtgg	tattcgactt	acggagacct	tcgctgggag	480
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<210> 4839

<211> 677

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(677)

<223> n = A,T,C or G

<400> 4839

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gategctcgtc	tgggcccgtag	cagccctggt	cacctgcacg	ctcctccccct	ccgatgtggc	180
attcacatct	ctcgtctccg	cagccggtgt	ccccagcgca	gcagcctacg	gcctcatctg	240
tctcgcccg	ctcatctgca	ccccgaagcg	ctttcccaag	ccccaatgga	gcctcgggaa	300
gtggagcaag	ccgttccagt	tcatcggcgt	gttctggaac	gggtgggttg	ttgccgttct	360
cttttcgccc	tatgcgtttc	ccgttaccgg	ggcgaatttg	aattatgctc	ccattataat	420
ggctgggtgt	actatTTTTT	cgtttatttc	gtactttgct	atgccggagg	aggcgtgggt	480
gcctcggaac	cgcattctcg	atttcattcg	tagcaaaggc	gccccagcga	ctgtggagga	540
ggtggagcgg	ccttcgggtg	aagatcangg	aaccagtact	ccccggctat	gatctgagtt	600
attcttgtaa	gggacaggag	tgtccggtac	ctagtacttc	gtgggtggta	ttaataaatt	660
caaaaaaggg	ccagggg					677

<210> 4840

<211> 764

<212> DNA

<213> *Aspergillus oryzae*

<400> 4840

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atatecttac	cggcgatgag	attatctccg	acgccttcaa	cctcaaggag	gtcgacaaca	180
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atgaaaaaaa	gaagtgtctg	agaatgcgaa	catcttaatt	ctgacagagc	aggggggatg	720
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<210> 4841

<211> 690

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(690)

<223> n = A,T,C or G

<400> 4841

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aatactgtgc	gaatggcgat	ctctatgagg	caatcagagt	caaccgtggt	cccttggaag	180
ccgagcatgt	acgggatttc	atgctgcaac	tagtgagcgc	tgteagattc	atgcatgcca	240
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ccaaggctga	tatctgggac	gttggcatct	gcttgctcaa	tgctcctctc	gctcgaaacc	480
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ttgcacatga	cccaagcaag	cgctcgtctc	ctggcaatcc	ggatgcgac	ctncgaactg	660
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<210> 4842

<211> 393

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(393)

<223> n = A,T,C or G

<400> 4842

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gttcacaggag	gctgactggc	ctggcgctgt	tgatgccttc	accgagatga	cgaagcgtgc	180
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ttatatgcgt	aaggcacagg	ctctgatggc	tatgaaggaa	tacaacaagg	ctttggatgc	360
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<210> 4843

<211> 1038

<212> DNA

<213> *Aspergillus oryzae*

<400> 4843

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tttatgtcca	tggaaaaact	caagaccttc	gaccccttcg	ccgaagctga	cgaagacacc	180
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tgctgcttatt	atgcactgtc	taatttgatc	ccaaacaatt	gcggcaccgc	attgatggga	720
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actcggcttg	gaggaaatgc	atgtcgggag	gtctgtcgtc	agacggatgt	tatggagggt	900
tgccctggtg	gcgaaggtea	atctctcgtt	gcacttgctg	tctacgtctt	ccacatgttg	960
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aatttgctgt	ggatcttc					1038

<210> 4844
 <211> 672
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4844
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 acgcaagcgg aatgtgagaa acgaatgagg acgatttata agaataacga gtgctactac 180
 ctaatgtact ttgatcagaa catgatcatc gatgctacca ggggctctat cgctcgtttc 240
 gtaaaccatt cttgcgagcc caactgtcgg atggagaaat ggacagtcgc ggggaagccg 300
 cgtatggcgc tttttgctgg tgatcgtgga ataatgaccg gggacgaact gacctatgac 360
 tataattttg acccatactc tcagaaaaac gttcagcaat gccggtgtgg atcggacaga 420
 tgccgcggta tccctgggacc acggccgcgg gagaaagagc aacgttcaaa ggagaaagaa 480
 ctgagggctg gaaacgagaa gaaatcttgt tggaaaatat catgaaaaag ccagcattac 540
 caagcagaag gtattgaatg gattcaactt ccgctgcaat aaacacagc attttgggtt 600
 tgaagtccat caagtcttga gggagaaaag atggttatta agcacacgct tatgtctttt 660
 aaagcaacta cg 672

<210> 4845
 <211> 707
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4845
 cctgttacg tactttgcgg tcaaggtggt attcgacatc gtgcctttgc gcctactgcc 60
 ccggtgata atgggagtga tctgttatcc catgactggg ctgatcccag catggccaga 120
 gtttctccgg tttatcttag tacttgttct cttcaacctc gcagctgcca acatctgtct 180
 cttcatcggt atcgttttcc gcgatggagg agtggccaat ttgattggca gtttggtgat 240
 gctattcagt ctattatttg ctggtctggt actcaaccac gatgcaattc ctaagtccgc 300
 tttgtggctg caaaccttgt ccatcttcca ctacggcttc gaggccttga ttgtcaacga 360
 agtgacgttc cttacgctga tcgaccataa gtatgggctg gacattgagg tcccaggggc 420
 ctccatcctg agcgtttttg ggttcgatac tttggcgttt tggaaggatg ttattgggct 480
 ggggtataatc ttccggcgc atcatcatgat tgcctacgga gcaatgcatg ttttcttcat 540
 tgagaagcgg tactcgcgg atgaatgc ataacgccatc ttcgcctctt tgcccctgtc 600
 taatttacgt ttggcaaaaa ttaattatt cccgcctct tattgtgtgg tcccatactg 660
 tcatacctca ccatgactat gcccctagtt gatgatgcac cgctccc 707

<210> 4846
 <211> 534
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4846
 ctgtacgacc ctageccagc tgataacaag ggaaaacagt ttgataactc ctatgaccgg 60
 ggtcagccct tgaaggtggc tattggcaca ggacgtgtta tttaaagggtg ggatgagggg 120
 gtccctcaga tgagcctggg agagaaggcc ctgttgacca tcactccaga ctacggttat 180
 qaaqacaggg ggttccccaa tttgatcccc gccaaactcta cctctctctt cgagggtccag 240
 cttgtggcta tcaacaacaa ggagatgcca aagccctaatt cgaatgcta acctaccaa 300
 agacttagac atataaggca attgaaaatg atatatcatt gttttctcgt agtcgagggg 360
 tqcagggtag gatggaaaga caagcgagat caaatatcaa gctattgtat gaaaatcagc 420
 tttccagagg agcttcattg aacaaaaaca gtagatctcc gaatagcaac gctccaccga 480
 gatecctccc tggtcaggc gaagcaaaaat gaaatagtta caagtcaggg cacc 534

<210> 4847
 <211> 636
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 4847
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 ctgggctata atgcccgtcg aagaacggcc ataccgcagg ttcctaccg ctgcttttcc 120
 tgttcgcagc gagctcaagt ggactccaac aaggccaacc aagatgaacg gatgacccat 180
 tttggcttta gcaatgttcc tgaatcgcag aaggagtcca tggtcggagc ggtcttcagc 240
 tcagttgctt cttcctacga tgcctatgaat gatttcatgt cactcggaat ccatcgcttg 300
 tggaaagatc attttgttcg ctccctgaac cctggatcgg cgctaccatc tcgcaacacc 360
 gacacgacag gaaaagggtg gaatatcctg gatatcgccg gcgggacggg cgatatcgcg 420
 tttcgcacgc tggaccacgc gaccaacatt aactacgac atgatacccg tgtcacaatt 480
 gctgatatca atccggatat gcttgccgag ggtaaaaaga ggagcatcca gacctttac 540
 tacaacacgg accgtttatc ttttatgcan ggcaatccc agaacatgcc caacattccc 600
 gataactcag ttgacctata aacgggtgtc ttongc 636

<210> 4848
 <211> 674
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(674)
 <223> n = A,T,C or G

<400> 4848
 gagaacaccc acttcggaca tattatTTTT aatgatctct aagaatgaca tccaccccat 60
 cattaagaca caacacatct acagctacca ggatgaaacg gcctataccg ttttggcgtc 120
 gtcgcaaccc catcagcctg cggaaacagc gaatgttcag cttcatatcg gcgctctcga 180
 atatttcgaa ccgctttatt gaacgcgcgc tcaacattaa cattatccct agctgaagcc 240
 tcaacatact cgcgcacaaa ctctttaccg agctccatgc cctccgtttc cgacacggcc 300
 cgcttatgtt gcaggctact cttgttcccc accaagatca aaggcgcaaa aaacggcgcg 360
 cccggatgtg tagcagggtg gtttatcgag tggctcatcta caacctgctt gatctttcgg 420
 acctgatcgt agtatttccg aacatgggtg aatgattccc gggatgcgac gtcgaaaacc 480
 aaaacgaaga cttcacccctg tcgaatccat tcttcgatca gcgtcgcata ttgctctcgg 540
 ncggctgtat ctatgatatc gaggatgcac tcttgnacgt cgactacggt ggacttgcgg 600
 atactgtcgt ccgctgtggc ttcattgtgt cgggagaagt gatcgaggca nagctgaact 660
 tatcggttac tggt 674

<210> 4849
 <211> 1146
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(1146)
 <223> n = A,T,C or G

<400> 4849
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 ggggtctatg tctctttgaa ctcaaaaggc ccacgagccc ctctccctcc ggggtccaaa 120
 ggtctatacca ttatcggcag tgttggtagn gatcttccgc gtggtgggag agattgggag 180
 cactggctga agcataagga attgtatggg ccatttagtt cgatcacgac agcggggcat 240
 actcacatta ttcttaacga cgccaatgtg gcaacggaac tgctggaaaa gcgatcggcg 300
 cgatactcat ctgcaccgag attggtgatg gccaatgagc tgtagctatc tctttctttc 360
 tagactgtat actaactaca caggggccat ttaatagtgt tgctaataatt tacgtaactt 420

cttccttaga	tctgggtcag	acatctttgt	caccacgcaa	aatgaacacg	ctattgtccg	480
tgctctacga	aaacgtatac	tttcacagct	gcgctcggaa	gaggtgttat	tatcgtttta	540
cccacagggt	gatacgttga	tccgacgctt	tctgctgcgg	acgttgacga	aaccagagga	600
gctgatcggg	aatatcaaaa	caggaatcgg	gggagtcata	ctgaagggtc	tctatgggta	660
tactgtcag	tttcatgac	gagatccgct	cgttgatctc	gttggagaga	cagccgttgc	720
attcggcagg	ataaatcagc	caacagggtta	tctggtagac	agtattcctg	ccctgaaata	780
cctgccgagt	tggttcccgg	gggctggggt	caagaaagaa	gcccgagggt	atcgacgcgg	840
attcgacaca	ttgctcaatt	ggccgttcac	ctttgctcgg	cgtcagatgg	aggagggcaa	900
ctatgaacct	tccttcgtgt	ccaggctgat	tgagcagaga	ggctcgctac	ttagcctgga	960
ggaggagggt	aaaatcaaac	acgcggcagc	tgcagtctac	caagcggggg	atgatacgac	1020
ggcatctacc	atcacatnct	tctttctggc	aatgggcgct	gtccctgccg	cacagcacia	1080
ggcccaggag	gaaatcgacc	gagtcgtaag	agcagagggt	cctacgcctg	aagatcgggt	1140
aaataa						1146

<210> 4850

<211> 694

<212> DNA

<213> *Aspergillus oryzae*

<400> 4850

tttcgccagc	ataaaatttt	taaatggctt	ctaaccaccc	tggaccttgc	tgcgccactg	60
gcttcaagca	tgaaggtaac	ccagttgggt	agatcaagaa	cgtcaacggc	gtcgacacct	120
acattgtcta	ccccaggat	aagagcaccg	agaaggttgt	tgtcttcctg	agcgatatct	180
tccgtatcta	tgtaaacgcc	cagctcctcg	ctgacgagtt	cgcgcaccaat	ggatacactt	240
gtgtcattcc	cgatcttttc	cagggagacg	ccatcaagct	cagcgacatg	gaatctggaa	300
aagccgacct	ccccgcctgg	ctccccaacc	accagcctag	ccacgtcgac	cccgtcgctg	360
agtctactgt	taagtacgtc	cgcgaggaat	tgggcgctaa	gcgtgtcgcc	ggtgttggat	420
actgcttcgg	tgccaagtat	gtctgccgcc	acatgaagga	gggcaagatc	gacgttgggt	480
tcaacgcccc	cccttgcttc	gtcaccacac	aggagctcgg	cgctatcacc	ggtcctctgt	540
ccattgtctg	ctccgaaatc	gatcagatct	tcactaccca	gcttcgccac	gagttcgagg	600
agactctgaa	gaagactggc	cagcaactgg	agatcaacct	ggttagcggt	gttttccacg	660
gttttgcttg	cgcgcgccgac	ctgaacaata	agat			694

<210> 4851

<211> 675

<212> DNA

<213> *Aspergillus oryzae*

<400> 4851

cctgtatcga	cttttaggaa	cggcgatcgg	aacctctttg	tgaacattgt	acaacgttat	60
ataactagtg	togtatacat	tgtgccgacg	ctatgacaga	gagcttgaac	cctccccctc	120
catacgaggg	atcagccacg	acaacccatc	cgcattgtgg	aagcacgctg	ccccaaaggg	180
tcattgcatg	cttgaagaat	tcacgatttc	ttcatctggc	aacatgtgac	ggcctgaccc	240
ctcatgtctc	tctcatgtcc	tatacctacc	tgcctcgcac	gccttaacga	cagtatccca	300
cgatcatcat	gaccacaaat	ccttcctctc	gcaagacaaa	ccatcttttg	accaatccgc	360
gagtttccct	gcttatccac	gattgggtgt	cacaccgtcc	gcccaccctg	gcacccaacc	420
ccggagggtc	gcgcgacgga	tccccgcctc	cggctgcgac	ccgttcaccc	ttggccaacc	480
ttctgttgaa	tctgaacaca	agcgcgctat	caagtatctc	taccaccatc	gcgggttcgg	540
ctcgtgtcct	ggaacctggc	tctgaggagg	aagcttgggt	caaagagcag	catctggaga	600
acaacacttt	cgaggaggaa	atggggctct	ttggccagca	gcagcagcaa	caacccggcc	660
atcggaggcc	cagtt					675

<210> 4852

<211> 795

<212> DNA

<213> *Aspergillus oryzae*

<400> 4852

caacaatcaa	acacaagaac	acaacagcaa	tcgactacag	accaaatacc	tctttccact	60
actacttcta	tcaaaaacaaa	cttgccctctg	tttactctct	taaacaacct	acctcaacac	120

acagccaaaa	tgtctctctt	cagaaccatg	cctaccgctg	gagactttct	ccctctcttc	180
cgtcttctgg	acgactatga	caccaccgc	cagagccgtg	gtcagggtgc	cagcgtgcgc	240
tccttcgctc	ctcgttctga	cgtccgcgag	accgacgatg	cctaccactt	cgacggtgaa	300
ctccctggca	tctctcagaa	ggacatcgac	attcaattct	ccgaccctca	gactcttggtg	360
atcaagggcc	gctccgagcg	cgaataccac	tccccgaag	ccggcgaaac	caaggagaca	420
gagggtgaga	gcaaggaagt	ggtaaagaag	gagaacaaca	agcctcgctt	ctgggtcagc	480
gagcgtccg	tgggcgaatt	ccaccgcacc	tttactttcc	catctcgctt	cgaccaggag	540
aacgtcaagg	ccagccttaa	gaacggcatc	ctctccttgg	tcgtgccccaa	ggctgctgct	600
tacactggca	agaagatcac	catcgagtaa	acgagccacg	agatgagacg	agttacgacc	660
ttgcatggga	gttgagcagt	ttgaacgttg	ccaacagtga	tatttcttct	ttcgactttc	720
gttttaatcg	acaaccccc	aagaaaaaga	aaaagaaaaa	aaaaaaaaaa	aaattcctgc	780
gggcgtgaat	tcttc					795

<210> 4853

<211> 709

<212> DNA

<213> *Aspergillus oryzae*

<400> 4853

cagatctcag	cgcgcaactt	ccgatacgcc	tagcgacgac	gacaacgaca	accagccctt	60
cagcgggaatc	gccagttcca	taattcaaga	tgacgaaggg	tacctccagc	tttggcaagc	120
gccacaacaa	gactcacact	ctctgcaggc	gttgtggccg	ccgctctttc	cacgtccaga	180
agtcgacatg	tgccaactgc	ggttaccctt	ccgctaaggt	tcgcaagtac	aactggagcg	240
agaaggccaa	cgcgcgcaag	accaccggta	ccggccgcat	gaggcacctc	aaggagggtc	300
accgtcgctt	caagaacggc	ttccagaccg	gcacccccaa	gggcgctcgt	ggccccgaga	360
gccagtaaat	caatcccgac	gtcgcgtttt	cgttctcgga	ggctggagag	ggctggtatg	420
ataaggcctg	gcatttgaag	tagccgagtt	tcaatgcaag	gcgaaaaaag	acgctttccc	480
ctggagttgg	tggtgggatg	gtctttcctt	ttgccgtcat	agcatgttta	tcctagaata	540
acgacgacaa	atgaaagacg	gaaaaattct	tggggctctc	gaaagggagt	atcaaaaggg	600
aaagcatgca	tgaatttcc	tgtttatggc	tggcgaaat	cccgtgtccg	ggcagatata	660
atattgagat	aaactccaat	gtgatctgtc	taccgcgctt	caaaaaaaaa		709

<210> 4854

<211> 693

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(693)

<223> n = A,T,C or G

<400> 4854

ggcaccatct	ggaatttttc	caccgagaga	ccatattaca	agatgatggt	cagagaagta	60
aaaccttaaga	atccgcgcac	ggcgcgaatt	ctcaaggcaa	aagaacccca	gtcatttgaa	120
ggagccaagc	gcacactggt	actgcacggg	tcgaaatgcc	cgacaccgct	ccacacggtc	180
cttaaaaactc	tccactccct	gacccgccca	aactcgatcc	tgttccacaa	gaagaatgag	240
aatatccacc	cgttcgagag	tgcaagagac	cttgagttct	tggccgacaa	gaacgactgc	300
ggtatggtgg	tggtcggcag	cagtaataag	aagaggccga	attgcgtgac	tatcgctcgg	360
gttttcaatg	ccaagctgct	cgatatgtgt	gaattaatgt	tgcttcccag	tccggatgga	420
gaccagatct	cttcgatgaa	caacccctac	atgaatgttg	gaatgggatt	acggccgctg	480
ttgcttttct	ccggaaaccc	ctgggatgat	cctacgtcgt	cggcgcatgt	tatgctgaag	540
agcatgttta	tggatatggt	caaggcgcaa	actaccgata	agattgatgt	ggaggggottg	600
caatatgcgc	tcatggttgc	ggctgaggaa	cctaccgagg	gcttgtcgcc	tggtatccat	660
ctgcgggtggt	aaaagatcaa	gacgaagcgc	agn			693

<210> 4855

<211> 682

<212> DNA

<213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(682)
 <223> n = A,T,C or G

<400> 4855
 gagccccggg ctttggggca ctccaactccc ggggggagtat atacactaca cttcccttct 60
 acacaaccct atataatccc tcggcgcaca ctctatacac atgtcgttct ggaaagaaac 120
 tttccctaat tggcgtcatg ccgtgccgaa aactgtcccc ggagatcgcg catgccgcgc 180
 ccaatcgaaa cggcttctta cttattcctc acagagtcct cgagtgaactg ccccgaaacca 240
 gtactcgttg tacgctaaga gaccocgggta tagtgtgagt caacggcggg tatggaacgg 300
 attgaaccct caatgccgaa gcttttcggc ctccgcggga gttcagcatg gccatatcac 360
 acctccgaaa cccggagagg agctcaacat ctctttcatt gacaaggatg gtgagaagta 420
 cgaattccag gtatccgagg qggacaattt gttagacatt gcgcangcca atgatcttga 480
 gatggaagga gctngcggcg gttcatgcgc ctgctcgaca tgcctatgta ttgtccagga 540
 ccccgacatg tttcgacaga tggagaagac atccgacgac gaanaagaca tggttgatth 600
 tgcattccgg ctgacaaana catctngggt gggttgtcaa agtatcatga gcaaggaaact 660
 ngaccgacta nttgtccctc tc 682

<210> 4856
 <211> 732
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(732)
 <223> n = A,T,C or G

<400> 4856
 nccgcgcgt cgtctgatto gcaocgggcat ataaccatt ctttccttat caccacttc 60
 ctggcatecca ccattgacca gaaacttctc ctcttcccc tctctctcac ctcggtctctg 120
 gccagtcctc acgatgcctc ttgcaccag aagttccacc agctgaacga gcgcgccgca 180
 ttccccatto ccgcctccaa gggtagccag acctttaagg aaccttacta cgtcaagggt 240
 acctatgatg gtggcatgaa gaccttcggc cgtgggtgtca agtgtaccgg tcagaaggag 300
 ggtggtgaca aggacgcgt ctteatcgtc gctgacggtg gtattctccg caacgccatc 360
 attggtgctg accagattga ggggtgtgcac tgcgagggtt cttgcaccat tgagaacgtc 420
 ttggtggcaag aggtctgcga agacgcctc accttcaagg gtaccggcac cggcgtccac 480
 aaggctattg gcggtggtgc ccaggggcgc gatgacaagg tcatccagca caacagcggc 540
 ggtcttgcca tcatccagga ctteactgtc cagaacttcg gcaagctgta ccgctcctgc 600
 ggtaactggc aagaagcagc ccaagcgtac ccggcagatc aagggtggca aggccagcaa 660
 cggcaagacc ctggtccgga ttaaccctaa ccttggggaa ttgggcacca ttgatggctg 720
 gcccccccc cc 732

<210> 4857
 <211> 683
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 4857
 gcgtccaaga ttgccttgt gnaggcgaaa agaaacaaac ttaaccattt cgatgttgat 60
 atgagcaagt tgaagccac tgcgtcttac atttgttcca tcatcaagag agattatgct 120
 ccggactatg attcgattcc tcccatggt cgtggcaac acttcgatgt ggggtggcga 180
 ccccgcatca atcagctgct gcagtcctgg cctagcacia tcatgcgca agaacgaact 240

cggcgattaa	tgcacctctt	tgctgtttcc	gtccttcttg	acgctgggtg	tggaactaga	300
tggtcttaca	aatcgaagga	gtcgggcaag	ttcttctcgc	ggagcgaggg	gctggctggg	360
gctacacttg	aaatgttcaa	gagcggactt	ttcagtaatg	aacccaccga	gccttgtcaa	420
gggggaaggc	gccggcttga	aaaaaaatac	ggtaaaaccg	gctgctaagg	gcatgcaaca	480
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tggagggatt	ggaacaaaca	ggaatttcc	ccgggtggga	agcagagtca	cgaaaacatg	600
cccgaacaaa	cttaccctcg	aatccctcga	gcaaaacat	cgacgagcac	caaataattc	660
attatacaag	aacctgacc	ccc				683

<210> 4858

<211> 237

<212> DNA

<213> *Aspergillus oryzae*

<400> 4858

aagcggttga	acaaacattc	cgacgagagc	aggaagctct	actgtatcta	cgttgctgtc	60
ggtcagaagc	gttccacagt	tgctcagctc	gtcaagaccc	ttgaggagaa	cgatgcacatg	120
aagtactcca	ttgtcgttgc	tgctactgct	tccgaggctg	ctcctctgca	gtaccttgc	180
cccttcactg	gttgtgccat	gggtgagtgg	ttccgtgaca	acggcccgcca	cgccgtc	237

<210> 4859

<211> 555

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(555)

<223> n = A,T,C or G

<400> 4859

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agtctggctt	ccttgtcttc	aaatttcatg	aggtacacct	ttctcgcagc	aatgtacagg	180
tagaggtctt	gatggacgac	tatatgttcc	ccgcatacac	atcacctaag	atccgctcca	240
agtctgccaa	ggttgaagac	attggtgatg	ccttcgagcg	tgagctcgag	ttctcgaaaa	300
ttacgcttcg	gattgtggac	aaggaggatc	ctaaggcgag	cagtgacgag	catacagttg	360
cgaaacttac	aggcgatacg	ctttcgactc	tacaacgcac	tttgtacaac	ccaaccgaac	420
taacactgcg	gtcggacagt	ggggaagtaa	gcaaggtcac	tgttagtgc	cggtatatcc	480
ctgtacatat	gaaactngat	ccgtctgaaa	gcattaacaa	catggggaac	cttacgaagt	540
ggatgttctt	gatgg					555

<210> 4860

<211> 1152

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc feature

<222> (1)...(1152)

<223> n = A,T,C or G

<400> 4860

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gactgggttg	cttccattgt	ctctctttct	ctttatgaat	ctgccttltg	ttttgatttc	180
ttatttccga	tttctcctca	ccccctcacc	tcccacctt	tcacacgca	gaattctctg	240
cctatgacaa	caatgccagt	caagaagcgc	aagtctgaaa	gcgtgcctgc	ggccgaagaa	300
aacaattccc	ctaaaagagc	tgctgtccct	gatccagcta	ctggagagaa	aaggaagaga	360
ggtcgtcctc	gcaagtaacc	tgaaggaaqt	ggccccaaagc	cttcgccggg	tcctaaaagg	420

ggccggggcc	gtccccgcaa	ggatccgtct	gccagtactc	cctcgaaacc	gagtactcct	480
aaggagggca	agcggccagt	cggaaggcct	aggaagtatc	ctgctcagaa	tggagcagac	540
accccgcacg	acagatccac	gcaaccgaaa	tccgagtcag	cagatgccaa	ggctgaggat	600
gaggcggatg	aagatgattc	cgcccgctcg	tattggttga	tgaaagctga	gcccagagtcg	660
cgcttagaga	aaggggttga	tgtaaagttc	tccatcgatg	acttggcctc	gcgtagcaag	720
ccagaacctt	gggatgggtg	gcggaacctt	gctgcaagga	atcacatcag	agagatgaag	780
aagggcgact	acgctttctt	ttaccactcc	aactgcaaag	tgccctggagt	tgcgggcttt	840
atggagattg	tacaagaaca	tacaccagac	gagttctgct	ttgacctgct	acacccatac	900
tacgacgaga	aatcttcccc	agaggacccc	aaatgggacg	tggtccatgt	cgagttccga	960
cgcaagttcc	agaacttcgt	ctcactaaac	gacctcanag	ctcacgcgaa	ggcgggnaga	1020
tactcagaga	accttcaggt	tctgaaacaa	tcccggctca	gtgtttncgg	cgtaccaaga	1080
agaatgggg	actcatccta	gggttagccc	agggaaagga	gtcatcgtca	tcgggaggag	1140
agagcgcana	aa					1152

<210> 4861

<211> 732

<212> DNA

<213> *Aspergillus oryzae*

<400> 4861

ggatattacc	ctcgttgcta	ctactgcoga	ggggtgtgcc	tcattggtcgc	aactaccctg	60
accttgtcgc	tggaggatgg	cgacgcaacg	tctcgacgta	cctactgccc	acgcacccca	120
tcttaactga	tcgcgattgt	ttagcgacgg	tccaaaaaat	tatcaccgaa	attctacctc	180
cttcttccgg	ccagaccttt	tccaaagatg	ctcgcgatct	ccttatggaa	tgctgcgtcg	240
aattcatcac	cttgatctcc	tccgaagcca	atgacatcag	cgagaaagag	gccaagaaaa	300
caatcgccctg	tgagcatgta	gagcgggctc	tgctgatctc	tggttttggc	gattatatcc	360
cggatgtcct	tgctgtggca	gaggagcata	aggagcagtt	aaagtccgca	gaaaagaaac	420
aaagcaagat	ggagcagagt	ggactgtcgg	aagaggagct	gttacgacag	caacaggagc	480
tgtttcgctc	tgctacggag	aagtatcaag	ctgccccgga	gtaaatgtct	gggttggaca	540
tgaatatgaa	atgtgtttga	ctcttgctgg	tcatagaggg	aatgggttcg	gagttttgccc	600
tttcggatga	gaaatcttgg	agtttagggt	gtctgggatt	gaaaccatgg	ttctcgaacg	660
ggttgggttg	tcttttaggt	ctctctctcc	ataagtatag	ttgcattgat	ttctcgagtt	720
tcgccaaaaa	aa					732

<210> 4862

<211> 672

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(672)

<223> n = A,T,C or G

<400> 4862

caactgtcctc	tggttatgtg	tattcttctg	ctcctttcca	ccattagtgg	ggtgggtctac	60
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tgcgactgtg	ctgggatcta	cgtgttccct	cgttgtttcg	cggactatcc	tgtctaagtt	180
cttcaacaga	atgatggagc	gogataaaa	attcgagctc	cttgctttga	cattgaagta	240
tgaaggactg	aagttactgt	gtatgattcg	ttctgttctc	ttaccgtaac	agatgatgaa	300
cggtgtctgt	tgcaccttcc	cgaccgttca	gdcattgatg	tatggacttg	ccacggctat	360
cgttacacct	aagcttcttg	tcccggcctt	tgtaggcagc	cggatccgtt	tactttccga	420
gaaaggagag	gagatgagcg	caggttctaa	agcgtggaat	atcatcagca	tcacgtgaac	480
tgttgcgatc	gggattttca	ccggttggtg	catttataaa	aggaccatgg	cacgagctan	540
agagtttagag	gctcaagaaa	gagcgcgatg	acgtcgatca	cttcaggccg	atcatgctga	600
cgtcgcctct	caccattcct	tctctgagga	cccagatggt	aacactgucg	ncacaaactct	660
tgctcgtgat	gn					672

<210> 4863

<211> 720

<212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(720)
 <223> n = A,T,C or G

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<400> 4863
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cttcgcccct tcgtcggaac gcacttcaat ctcaactgac gaactttttc ctctaccccc      180
accgttcgat tcacaccttc atccaccatg tctgagggca atgttggtgaa gatcgaatcc      240
aaaaaggatt ttcaggagaa ggttatcgaa tccaaggacc ttgtcgttct cgactgcttc      300
gctgagtggt gtggtccttg taaggcaatt gccctcagc ttgctaggct cagcgaggag      360
tatactggcg ccaaaattct caagatcgat gtgcagatc tctccqaagt cgctggcgag      420
cttggtgtcc gcgccatgcc cacttttctc ttcttcaagg atggtaagaa ggtgaatqaa      480
gttggtggcg ccaacctctc tgccctcgtg gccggcgctc agtctctggt caagcaataa      540
atgattgata tgggggttag ggtagcattt gctttttcat gttagtttcg aagggaatgt      600
gactccaccc gttatatcca tccctatatg acataaatat gaacttcacg gctatcgngn      660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      720
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<210> 4864
 <211> 711
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4864
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tactcaattc acgcttccac ctgcgcggtc gctctgcgcg ccttatcgat atctcaagct      120
cgtgcctcca acatgacatc atccgcggtg cataactaca cgaaaacgat acacacggca      180
gcattgtctga tcattgggtg cgagggtgctt ggcggaagaa caattgatac caattccgca      240
tatttcgcca agtattgctt ctcccttggg attcagctaa aaagggtaga agtcattgcc      300
gatgacgaaa gtgaaattat tgaggctgtc aggcgcgatg gtaacaacta cgattttgtg      360
gtgaccagcg gaggcattgg accgacccac gatgatatta cgtatgaatc catagccaag      420
gcgttcggcc taaagttgaa actacaccaa gccgcttttg accgatgaa gaagctctcc      480
aagcctcacc cgatgcaacc gcaatttgac tgggataccc cgtcgcccgg tctaacagcc      540
aagctgcgca tggttgaact tccccacgat gatactctgt cggaggagca gcaggctacc      600
tttgtggctg atgatatgtg ggtgccaat cgcctcgtc aacggtaatg tgcatactct      660
accacgcgtt cctcgtctgt tcgagaagct ccttgagcat ctgaagccta c      711
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<210> 4865
 <211> 632
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

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<400> 4865
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ccattgggat cctcggggaac cactcctccc ccagcatgtc caatgcacac gagcaactcg      180
cctcgggtgc cactcctcagt tcttgaaaca cctactgctt gcccgctccg gtctaaagat      240
tctcccttct atgtgccacc taagtcagat acgacattgc cttctaaagc agaaaacaag      300
tcaaccttat caaagctgaa ccttttgaac tatagtttct cttccatctc tcaggaaacga      360
gtccgaacc aaacgctoga tttgtcgtga gagcgtgaac ctctctctat acccgcggga      420
gatacggatg gcaattggga gtatccgtct cctcagcaaa tgtacaatgc tatggttgcgc      480
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anaggtcaca	cggatacccc	tcaagatgca	gtggaggcaa	tggttgca	gcataacttt	540
ttgaatgaaa	gcgcttgga	ggaaattt	ggatgggaac	gtttattctc	gaaaggtcta	600
aaaaaaagct	gggcaaaatg	tcnacgtggc	gg			632

<210> 4866
 <211> 646
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(646)
 <223> n = A,T,C or G

<400> 4866						
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cccttcacaa	tgtccggcaa	atacgttttc	accaagggtc	tgaaggagct	gcgcttcctt	180
ttctgtcaga	cttcagagca	cagcgctcct	acaaggctct	tcctgcagcg	cgcatatccc	240
accatgaaga	agcacaaccc	tcacgtcccc	attctgatgc	gcgaggccag	cggtactcag	300
cctaagggtg	atgccagata	cgcgtttggc	aaggaaaaac	tcgagccatt	gaatggcttg	360
tcggatgcac	agatcgaaga	aaaacttacc	aagctcgtga	aggagtcgtc	atagcgaatt	420
ttccgcactt	ccgtatatgt	ccatgcctcg	tgttcaaata	gtcaaccatt	gtatctatag	480
atgaattgga	aaattcaatt	tacttcgaac	aaaanaaaac	ttaccaagct	cgtgaaggag	540
tcgtcatagc	gaattttccg	cacttccgta	tatgtccatg	catcgtgttc	anacgtcaaa	600
ccattgtatc	tatagatgat	ttgganattt	cattacttcg	aacaaa		646

<210> 4867
 <211> 687
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(687)
 <223> n = A,T,C or G

<400> 4867						
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aataaccaac	tctgacagct	ttcgagagtt	gctgaatgga	gagttaaaata	cagcaatgcc	120
gtgttctgca	gcataattgga	ggtctacttg	gtttgttcca	atacaaaaac	agccgacgac	180
tataagattc	cgagcctctt	tcaaaaatac	agctgacagc	tttgtcttcg	aacgtatacc	240
gatgacgtgt	acatctcttg	tgaacgctt	agtacactat	accaaagtaa	ggaatgtcaa	300
tgctggcttc	gactcaccga	atcttttcta	tgagctgatc	ctcagggagt	gatgacttta	360
aaaactctac	ttgatagcct	tgctttgtaa	ggatatctcg	ccccgttcgg	attacattat	420
ccaaaagaag	aaccttgata	tcttcagtag	caaatggtta	caaatgcttg	gcattgggca	480
gagggatcgt	gcggtttgtg	aaaaccgagt	ttccatgact	ggatggggcg	gactgaaacg	540
atgcgttttg	agaaaggcct	gaggcttgat	gactgttgat	ttcttgggga	atggctgaca	600
ttgtgccaaa	atatgcgaga	cttgaaatga	actatgcaga	atgtactcaa	tggtgaatga	660
atggcatgta	ncacaatacc	gttatgt				687

<210> 4868
 <211> 708
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4868						
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gtcccaactt	ttctcttttg	acggatgacc	aaaccggctg	gtggcaacaa	gccagtgtcg	120
agggcggcga	tcaggatggc	ggatggggta	ttgttaacaa	gtacgtggat	gccggcgcag	180

gacacgggga	catcgcgaga	aaagtagcag	cggaaggcat	cgtcctagt	aagaacaaca	240
ataacaccct	accgctgtct	cgtagcccgc	cgagtcctta	tcgcattggg	atctatgggt	300
acgatgctgg	cccggcctta	ggaccaaagt	cgtgccccga	tcgtggatgc	agtcagggga	360
cattagcgct	aggctggggc	agtgggaact	tggaaatttc	tttccttggt	agtcctctgg	420
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gcgaggggta	tattcatgct	gggggaattc	acggtgatcg	taatgatcta	ttcttgcaga	600
acggaggcga	cacattgatt	caagccgtgg	ctaacaactg	tgtcggggacc	gacagtgggt	660
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<210> 4869

<211> 681

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(681)

<223> n = A,T,C or G

<400> 4869

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tttcaacgca	gctgttgcc	ccgctctggt	ttcttcggcc	actctcatgg	gctatgctca	120
tgctgaggag	gcggagaaga	accccgacgc	tacctctgtc	gtagagaagc	caactttcac	180
ccctaccacc	ctcaaagctc	ctttcctega	gcaattcacc	gatgattggg	aatctcgggt	240
gacgccatcc	catgcgaaga	aggatgactc	ccaaacggaa	gaggactggg	cctacgtcgg	300
tgaatgggtc	gttgaggaac	ccactgtctt	caagggatc	gacggagaca	agggctctcng	360
tgtaaagaac	cctgccgccc	accatgctat	ctncgcgaaa	tttccttagg	aagaatgata	420
acaagggcaa	gacccttgtt	gttcagtatg	aggtcaagcc	gcaaaaactcc	ctcgtttgcg	480
gtggcgcccta	cttcaagctc	ntncaagaga	acaagaagcn	tcaacgcccc	ggagttcttt	540
tacgcacccc	taatgtnatc	atgttcgggc	cccacaagtg	ccgtgctacc	accaaagtcc	600
attttatctt	tcggcacaaa	aaccccccaag	actgcccagt	tcgaggagaa	gcaccttaag	660
gttcctctgt	gtgtttgaac	a				681

<210> 4870

<211> 672

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(672)

<223> n = A,T,C or G

<400> 4870

gagccgtcat	gogatggccg	ccatgggctt	ccgaatcaca	agcccagagc	aaacaagatg	60
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aaactaggac	cctaattccc	accctgatcc	tcacgacagg	aattatcggc	gcactgcaga	180
tcacacgcgc	atacctgcgc	cgtttccccc	acgctggttag	catctcgcca	tcgtacttcc	240
ggaagaggac	catcttaggc	caagtqanga	gggtcggcga	cggggacggg	ttcagactat	300
accacacacc	tggaggaaga	ttggcaggat	ggggctgggt	gccttggaag	agagttcccc	360
ccgcgaagaa	ggatctgaga	gataaaaacy	tctccgttcg	cttggctggg	gtggatgcgc	420
cggaactcgc	gcatttcggg	cgcccgagc	agccttatgc	tcgggaagct	catgaatggg	480
tgaactotta	cgctcttaat	cgccgtgttc	gggtccttgt	gcactcgcag	gaccagttac	540
agcgtgtggt	ggcctctggg	tatgtacgac	gggacatcga	tttcccgate	cgttttcgtc	600
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cggtttctga	an					672

<210> 4871

<211> 665

<212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(665)
 <223> n = A,T,C or G

<400> 4871
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 tgatctacat ccatcaaaac atccccgggtg tcttacggaa agtgaacgag atcctcggag 180
 accacaacgt cgacaagcaa atgaccgata gcagagggtga cgtggcctac ctgatggctg 240
 atatcagcaa cgttgataat accactatca aagatctata cgagaggctc gaaagccttt 300
 catccccgat tatgacacgg atattatact aaggatatct cgggtgatgg aagcctcaca 360
 ctaagatcat ctattggtag atttgatttc ggtagaaccc acccctcaac ggctcaagtc 420
 taccgtctgc taaacaagaa agttattgat tcttatgcta ctgcccgcgt ggtttctgat 480
 taaatgactg aaagcttttag gttantgatt ttgtcaagtg gcgcccggat aatggaaaca 540
 tcagctatgc tgttcacatt cgacgcacat tactgatgtc tacggagaaa tgtttgttca 600
 acacttcggc cttgttgctt tttttattcc cttagtactt taagagtcc tctgaattga 660
 aaaaa 665

<210> 4872
 <211> 699
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(699)
 <223> n = A,T,C or G

<400> 4872
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 tcaaaaatgt cttctactgt atgctccgcc acggcgaaact cccggcccta gaaaaggagc 180
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 cccgcgcggg cagctctctc tttatgttcg gggcttcac gcagaccggc gagctcgttg 360
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 gaacaggcgt ttcgcgcaaa ttagccaaca attatctcct ggccatcaac aacattgcca 480
 ctgcccaggt catgaatctg gggatccgtt ggggactcga cccaaggctc ctggccgata 540
 tgatcaatac attgactggg cgtgctggg ccatggaaac aaataaccgc gttccggggc 600
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 ttaaagaatc ttcgctggcg aattcccgtt ggggaggan 699

<210> 4873
 <211> 780
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4873
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 tgcctccgga cgtgttgctg gtggttggtt gcttggtttt aacggaagca gatgtctcct 180
 actttctcga caacaacgac aacatggcac cagtttgagc ggagggtcga tgaggtaag 240
 ccattccaaga ctgacattaa ctatctcgtt atggactacc tcatcaccaa tggatatcca 300
 gctgcagcga agaaattcgc ttcggaggcc aacatccaac caagggcaga tgtagaagcc 360
 attcaagaaa gtagtagaat tcgactgcc attcactcgg gcgatatcaa agctgccatc 420
 gagaagatca acgagctaaa tccacagatt ttggatgaaa atccaccctt gcatttttca 480

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cagttcttgg	aggatcttga	gaggacgctg	gcgctcctca	tttttcccca	ctgagaacct	660
tacacccgct	ctagccccc	ttttacaccc	cgacctgcgt	aaagatatag	ccactagcgt	720
gaacgaagcc	atcctgcaga	atcaaggcgc	tcgtaaagaa	acccgattgc	gcaacctctt	780

<210> 4874

<211> 672

<212> DNA

<213> *Aspergillus oryzae*

<400> 4874

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ggcaagccct	ggttgagaaa	ggatgtccgg	ttcccgcctg	tcagcctgag	gatatcctgg	180
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ttcggctgtc	cggctacatc	cccgtcacca	cctgctcggg	aaaaagcttt	gaccgtgtca	660
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<210> 4875

<211> 584

<212> DNA

<213> *Aspergillus oryzae*

<400> 4875

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cctccgatta	cacatgcccc	gccagtccga	tcaccaacga	atacctccaa	catttccccc	180
tctgcatctc	tttcaccatc	tgccttgccc	ttgtcaacca	cgccaagtgt	aagcaaatcc	240
cggtgatgat	cgctattgct	ttcgcggggt	atgtcaccaa	ctatttcggc	tccaagcgat	300
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tggatgcagc	aaagaacatg	accacaacaa	caagcaacga	tcaattccac	ggagtcgtct	600
togacatcgg	atacggcatg	gtccaggtcg	caatcggctt	caccgtcggg	cttttccctg	660
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<210> 4876

<211> 941

<212> DNA

<213> *Aspergillus oryzae*

<400> 4876

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cttgggaattg	agaaactagc	atcgaaaagca	ggggggccata	tagggctgat	gtatctccgt	120
ggtgaagggtg	tagagcaaaa	ttttgccact	gctctcactt	ggttcaggcg	tggagtgcac	180
aatggggatt	cgctctgtca	acatcagatg	ggactgatgt	atcttcacgg	atatggcgtg	240
cagcaggagc	ctttcagggc	tgcattggtt	ttcaagtggg	catctgaaca	agatttcccc	300
ggcgagaaaa	caagactggg	tgccttgggt	ttggaccaag	gagatgtccc	aacggctacc	360
cgatattttg	agctagctgc	ccgctggggc	tggatggaag	ccttctatta	cctggcagaa	420
ttgtccaata	atggtatttg	tagggaacgg	cattgtggaa	tggctgcata	atactataaa	480
atggtttgcag	agcgagccga	ggtgatacat	tcatcattcg	atgaggcgaa	caccgcatat	540
gagaatgggtg	acaangaaag	ggcctcgttt	gcagccatga	tggccgcgga	gcaagggttac	600

gagcacgcgc	aatctaacgt	ggcattcttg	ctcgatgagc	agcgcctcttt	gatgtccttt	660
gatcgcatcc	taccgggtgc	taagaaacct	cgaccgtctc	tacttcggaa	tgctgcgttg	720
gcccttatct	attggacacg	ttccgccaaa	cagaccaaca	tcgattcatt	agttaagatg	780
ggtgactatt	acctggggcg	tattgggtatt	gctgcagatg	cccagaaagc	ctccagttgc	840
tatcatagt	ccgctgaagt	ccattatagt	gcacatgcgt	attggaagct	tggtggatc	900
catgataatg	gcacccccgt	ggaacaagat	tttcacatgg	g		941

<210> 4877

<211> 747

<212> DNA

<213> *Aspergillus oryzae*

<400> 4877

cgaggcgaca	accgtacctg	agccctttca	cgatcccttt	taggaggctc	tgtcaagatg	60
actgtccaga	accacagttt	ggcctcttcc	cgcgggaagt	cgcgcaaggc	gcaattcaac	120
ggtggctcgg	gcgagcgccg	tgctctcarg	agcgcctctc	tgagcaagga	actccgtgag	180
aagtacaaty	tccgtctctc	ccccatccgc	aaggacgacg	aggtcaccat	tgtccgtgga	240
ggccagaagg	gccgtgaggg	caagatcacc	agcgtttacc	gtcttaagt	ggttggtccac	300
gtcgagcgtg	tgcctccgca	gaagtccaac	ggccagagcg	ttccccctcg	tatccacccc	360
tccaaggctg	tcctctccaa	gctccacctc	gacaaggacc	gtgagcagat	cctggagcgc	420
atcggaagg	gccgtgaggg	tgccaaggcc	aagtctgctt	agagggtttt	gtccgggggtt	480
taagttcatg	ttgcaatggc	ggtgacggcg	ctggagtctt	gaaagactcg	ccaatgcgag	540
atccaacctc	ctatgatcag	gatatatctg	ctggaatgaa	aaacgaaaaa	atctacttcc	600
tccggttcag	gtctgcgcca	cggattttca	agcgtagtg	ttggactact	tccccctcaa	660
gcgtatttag	ggataatcta	cgggcagcga	ctcaattgtc	agagggccgt	tttctttttt	720
tgttcaaaaa	aaaaaaaaaa	aatctcc				747

<210> 4878

<211> 654

<212> DNA

<213> *Aspergillus oryzae*

<400> 4878

ccattcttac	caettactca	ataccacagt	atTTTTctaa	tctcttctga	caaccatgtc	60
cggacgtcta	gaaggtaaag	tgcctatcat	aacaggctcc	ggctcaggct	tcgccacagg	120
cattgcaaag	aaattcgctg	aagagggcgc	gaaagtcata	gtcgcagaga	tatccaaaga	180
gaacggcgaa	aaggctgcag	cagagctcaa	cagcaaattc	gtctttgcag	acgtaacaag	240
cggagaatcc	tggaacaacat	tactccagac	agctctggac	acgtacggcc	agctggacat	300
tgtagtcaac	aatgcggggg	caacctattc	caataagccc	acaggccagg	tcacagacgc	360
cgaatttgac	ctatgcacga	acgtcaatgt	gaagtcgac	tacctctcgg	cgaacgtcat	420
tgtaccgtat	ttcgaacaga	ataaccgtcc	cggatgtttt	gtccagggtt	cttctaccgc	480
tgcgcttcgg	cgcgcggccc	gcttgacctg	gtataatgt	tccaaagcgg	cggttagtat	540
tgctaccaag	acgatggctg	ttgagtatgg	gccaaagaag	atccgattca	attgcgtttg	600
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<210> 4879

<211> 662

<212> DNA

<213> *Aspergillus oryzae*

<400> 4879

tatttcaagg	ttgcattacc	ataaacagac	cgttttcttt	cccgcgagac	gtgatcatat	60
ccacccggcc	tttcccttga	ttctctgtat	agcgcctcga	gtcccttgag	tcttttctag	120
ccagcaagcc	tactttacca	ccattcgggtg	gctgcagctc	tcttgcagaa	gaatcaactga	180
agtgggcagg	gaatcagagc	atcgtatcat	aaccttctct	tttctctctc	gaagggcgaa	240
aaaaggataa	aggacagggg	gaaagatact	grrgttggtg	ccgagaaact	gagtttcccg	300
acaatattac	cggacctttc	gtcaagagct	actatctcga	gacatatatt	tttttttttt	360
ggcgtaactg	acttattcca	tgtttccctt	gatctgcgta	gtcctaaacta	acgccacttg	420
cgtctacttc	atcatggctg	gtacaagaaa	ctatgatttc	ctgatcaaac	ttctgttgat	480
tgggtgattcc	ggagtgggaa	aatcatgttg	tttgttacga	ttcagcgaag	attcattttac	540

tccatccttc	atcacgacca	ttggaattga	cttcaagatt	cgtacaatcg	aacttgacgg	600
aaagcgtgta	aagcttcaaa	tatgggatac	ggctggacag	gagcgcttta	aaacgattac	660
aa						662

<210> 4880

<211> 680

<212> DNA

<213> *Aspergillus oryzae*

<400> 4880

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ggcatccgtg	atcatattgg	acatggcttc	gcaagataca	gtgtcactgc	tgactggagc	120
ctacctcatt	ttgaaaagat	gctttatgac	caagcacaa	tcctggatgt	atatgtggat	180
gcattcaaga	taacgcacaa	tcccgaactg	ctgggcgcgc	tgtatgattt	agctacttac	240
ctgactaccg	ctcctattca	gtcaccact	ggcgcttttc	actcttcgga	agacgcggat	300
agcctgccat	cacggaagg	cacgggaaaa	cggaaggag	ctttctatgt	ctggacattg	360
aaagagctga	cacaagtgt	cgcccaacgg	gatgctgggg	tttgtgctcg	ccactggggg	420
gtgcaccctg	acggtaatat	ctcccccgag	aatgatccac	acgacgaatt	tatgaatcag	480
aatgtgcttt	ccgtaaaggt	gaccccgagc	aagctcggcc	agagaacgag	gagcgggaaa	540
gaaagacggc	cagtggcgg	acattccggg	tccagagtta	ggcgtattgt	atattttgtt	600
tctaggcaaa	agagccggag	gtgcaacagc	aagcccgcat	tgtgatttta	ttcaaaatgt	660
atagactgca	gcaaaaaaat					680

<210> 4881

<211> 668

<212> DNA

<213> *Aspergillus oryzae*

<400> 4881

gagaccactc	ccccccacc	cgaacaacaa	acaacaagag	aacccccctc	cctcccgacc	60
tcacctctcg	ccaagcgctc	caagcccaac	accaccgaag	accagtccaa	aatgaccaac	120
agcacccccg	tcacctctat	ctcgagcct	ctgccccgc	tgctcatcaa	gaagctgaac	180
gagggcggtc	gcgccccgac	ccgtggctcg	gccttcgcgc	ccggatatga	tgtctacgct	240
gctaaggaga	cggttatccc	ggctaggggg	aaggctctgg	ttgatacggg	tattgccatt	300
gctgtgccgg	agggaaactta	cgcccgcatc	gcaccccgca	gcggcctcgc	agcgaacac	360
ttcatcgata	ccggagccgg	agtcattgat	gccgattacc	tggttgaggt	gaaggttctc	420
ctgttcaacc	actccgaggt	cgattttccc	gtgaaggctg	gggatagggt	tgctcagctt	480
attattgaga	ggattttatac	ccccgaggat	atggctgtcg	aggactagga	tgagactgat	540
cgtggtgcga	ggaagctttg	gaagcactag	tactaactaa	tgatgatatg	attgggggtt	600
ggatgggggt	gggggttttat	catatacatt	ggcgttgag	aaatagaaaa	agaacttgga	660
tttgatct						668

<210> 4882

<211> 652

<212> DNA

<213> *Aspergillus oryzae*

<400> 4882

ctcacacaag	ccctggaatt	ccttgataat	caccaactgc	gggagaatgt	accagatcag	60
gagaagtgt	acggtcagca	ccgaaagggc	gcatggccct	tcagcaacaa	aactcagggc	120
tatacagtta	gcgactgcac	agccgagggc	ttacgttcaa	gcattcagct	tcaagagatg	180
cacaactatc	ctaaaactgat	atccacacag	cgtttaaagg	atagtgttga	ctgcttgcgt	240
ctcatgcaaa	atccttctgg	cggttttaca	gagtatgaga	ccaccgctgc	gtcgcccaag	300
gtggagtggg	tgaatgcgc	cgaggtttcc	ggcgggatta	tgattgggta	cgactatcct	360
gaatgcacca	ctgcctcggg	cactgcgctg	tctttagtga	ggaagttcta	tccttattac	420
cgatacgaca	ccatcggggg	gcgtagacaa	accgtctgtg	tagcatgaac	atgtctaaac	480
gctacgagag	ggcactatgc	agcgtgtgtc	cttgactag	ctgcggggat	ggggactcct	540
aagtgtatcg	agattggaaa	acctatgaaa	cgggactgtc	ccgatcggtt	gcgatttata	600
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<210> 4883
 <211> 675
 <212> DNA
 <213> *Aspergillus oryzae*

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ttggctcgaa acatagtagc tctctagag agagcttcat catttctccc gttatgtgcc      180
gttttctggg atacaagggc cgacatgaga tacgtctcag caaactagta acagagccca      240
gtcattcaat tttgactcaa tctatgatt ccgctcttag actggataac cgccgtccag      300
taaacggcga tggcttttga gtagggttct atacggaccc caagctcggc ccagagccat      360
gtatcttcac attcacactc ccagcctgga actgtgagaa tctcgagcgg ttagcatcca      420
aaacctgttc caatctgata ttccgcgatg tgcgcgcaac cacagaagga gccttatcag      480
aaaacaactt ggcaccccgt tcaacacaa actttgatgg ggaagcgcca cggtaacctg      540
tgggggctgg caatatatca agcgggcgcg tggcccaatc cctcgcggaa cgcttgggat      600
ttggggctga aaagggggac acaaaaagag ggggggtttg cgggggtcct tgacttttgg      660
aaaagaaggg ggtcgc                                     675
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<210> 4884
 <211> 671
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(671)
 <223> n = A,T,C or G

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<400> 4884
gaatttcccc gaagatgaag aggtgtcgtg gctcgcactg gcgcaaggag tgtttaacac      60
tcaggcggag agagatggga cccggatact tgccatgggt gccctgcggtg gcagagaaat      120
tcgtggaatg gagggtagca tcttaagaat tccgtctcca acggagggtt cttccagctc      180
gctgctcgtc ttgcacgata taccaagaat gaaacttata ctgagtgggc agagaaggcg      240
ttcacctgng ccacatctgt tcttttgatc atcgagaaag ggtggactat caatgatctg      300
gntacngtgg aatcgaattg ccaggcacct aaccagatgc aatgggtcct acattatggc      360
atctancttt atggggctgc gtacatgtat aactttgacc aatggcgata cgaaatgggn      420
aaaatgtcnn tggaaggctt attgaatact acatggcgca atttcttccc acaggagtat      480
gggygtaaca tcatggttga accatgcaag cctcanaagc aaggatttgt accatgcaat      540
ggcaatcagt ccccatcca gagtttggtc accgcttggc tcgccttcac gaccactata      600
tgccccgaaa cctgggacca attttggccc aattacaggg gtctggcaag ggagccccaa      660
aacatgtttc g                                     671
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<210> 4885
 <211> 701
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(701)
 <223> n = A,T,C or G

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<400> 4885
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gactggaatt ctactacccg cattggaagc aagcaccgtg ctggcggtgc cgtctcccgt      120
gagactgtcg tcaagggcaa gagcgctttg aacgcgcgtc agcgccaagg tcttggttat      180
ggaactgaaa agaagtagcg cactggcaat gctgcttcca aaactggttc tattgaaggc      240
cagcacctga ccaaggtaga ccgcagcgac gacatcatca agcccaagac tgttgggtac      300
caagtcgcag acgctatcaa gaagcgccgt accgaggagg gctacaagat gacacagaag      360
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gaacttgcca	ccaagtgcaa	caccactgtc	accgttgtcc	aggacttcga	gaaggggtacc	420
gccacccccg	accagaaggt	cctcagtget	atggagcggtg	ttctcaacat	caaactgaga	480
ggctcagaca	tcggaagga	gaagttccct	aagaaaaagt	aaattgacag	ggggtgagcc	540
cgcggctttt	tcttgacggg	atggaatget	ttttatgaaa	ccattctctt	tcttcttct	600
ctttcatgat	gtccccgat	gtcctttcng	ttgttacgtt	aatgcatttt	atttgtgcat	660
gagatcccca	ttactttctg	cttgtcggaa	gagcggtgac	c		701

<210> 4886

<211> 740

<212> DNA

<213> *Aspergillus oryzae*

<400> 4886

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tactgctcgt	ggtcgtaagg	cccagaaggt	caccacacaag	ttcaccatca	acgtttctca	120
gcccgtgagc	gacaagatct	tgcacctctc	cgtttctcag	aaattccctc	acgaccgtat	180
caaggttgag	ggcgtgtcgt	gcaacctcgg	tgacaagggt	gtcatctccc	aggtcggcga	240
tggaagatc	gaggttggtt	cccacattcc	cttctcttgt	cgctacctca	agtacttgac	300
caagaagtac	ctcaagaagc	agcagctccg	tgactggcct	cgcgttgtcg	ccacctccaa	360
gggtgtctac	gagctccgct	tctacaacgt	cgccagcgag	gaggctgacg	aggatgagga	420
gtaaatgtct	cccactctcg	gataaaagt	aaaaaattgg	ccaggctcga	gtacgctcac	480
atcagggggg	ttccataatt	ggacgggagc	aatatcttaa	tgagagtccg	tgcttgggt	540
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tgatatgtac	gccgggttga	ctcaacctga	aaaaaaggcg	gcattcccat	tggttagccc	660
tcgtcgcata	cccgtgttgg	tgtaataact	ctactcatga	cgttacgact	ggtagattga	720
attgatccat	ctatcacccc					740

<210> 4887

<211> 530

<212> DNA

<213> *Aspergillus oryzae*

<400> 4887

cttaacaaaa	ggggcccatg	ttataatccg	tgggaggccc	tgtaaaattc	tcgagatcag	60
caaaattgga	accaatatac	atctggctcg	ccgagacatt	tttacggata	gaattctgtc	120
ggacgatata	gaatctactc	agtctgtgga	gattccgcct	gtatacagaa	atgaatatat	180
gttggttaat	attgatgagg	ggttcctcaa	tctcacgaac	caagatggga	cgatgaaaga	240
caatgtaaaa	gtccccgggt	gtgggttagg	acaacagatt	gagcaagatt	ttgaagcggg	300
aaccgacctg	ctcattgccg	ttatctcagc	gatgggtgaa	gaacatgctg	taagtgtgag	360
agaagcccc	aagggttcc	aaagagggtc	tcttcagggt	tcgctgtgat	tgcttgaggc	420
accaacaata	ctctccggtt	ataatgcttt	tcagagaaaa	caggaaatta	cccaatttta	480
tetaggctct	agacatgtta	tccatctaga	aatgaaatag	gtgatagtc		530

<210> 4888

<211> 663

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(663)

<223> n = A,T,C or G

<400> 4888

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tatggttttc	tcatggcacc	gatccagttc	aagtggttcg	gattttctatc	tccggcattc	180
ctctctacca	agaaaaaccc	gaccattccg	gccttgaagc	gagttgctgt	agatcagttt	240
ctcttcgcgc	ctttcggggt	ggtgtgtttt	ttcacattca	tgacactcgc	tgaagggtgt	300
gggcgtagag	ccttgacacg	caaattccag	gatgtttacc	tgcccaactc	taaggccaat	360

tttgtttctct	ggccagctgt	gcaggttctt	aacttccgag	tcgttccaat	ccagttccaa	420
atcccatttg	tgtcctctat	tggtatcgct	tggactgcgt	acttgtcctt	gaccaactct	480
tccgaggagg	actgattaaa	tcacctgtga	tgatgatatg	aatgggttcn	ggagggtttc	540
ggatcgctcag	tcatttcaca	tttgnccgtc	ctttgtcttt	tttttggtca	atagaatggg	600
ttcctggcgt	tgtatattgt	ccttgggggt	ctgctggcct	atcttaggct	ggtgggctaag	660
ctt						663

<210> 4889
 <211> 657
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(657)
 <223> n = A,T,C or G

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tggttaacga	caagttccaa
gtccgtacca	ccgggtcccgt
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ggaggtggta	tccgtgtcgg
tgagatggaa	cgtgactccc
180	
tcattgcccc	cggtgcgcgc
ttcattcctcc	aagaccgtct
catgaactgc	tccgatactc
240	
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gactgtggct	ctttcctctc
gacacaggtc	gccctcgccg
300	
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aaccaggcgc	caaccgtcgc
atccgcaa	gctgcttcta
360	
gccagcttac	tcattgccagc
ggctcctccg	gcacgtgcgc
ctgcagacgc	tgcgcccgctg
420	
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cgtgccatca	cctgggaaga
cngtgacggc	cggcgctacg
480	
tcggcggtga	taacgtcact
ggctgtgctg	tttcgggtgt
gctccggtac	cttgatgggtg
540	
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aggatgaagt	tcaaagtga
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657	

<210> 4890
 <211> 690
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(690)
 <223> n = A,T,C or G

<400> 4890	
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aagattcgtc	gatgaaccca
gaagacctag	catcccagtc
120	
cgcccgccctg	aaggaggaac
aactccgtcg	tgaggaggag
aaactccgcg	agatcgaact
130	
ccgggtgcag	cgtgagattg
ctgagaagcg	ccaggaattg
ttggctcgtg	agagccagct
240	
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tggtcacgcga	gtccagcagc
caggacgtcg	ccaatgggtga
300	
tgcttaattc	aaacttgta
aagactagtc	ttacgttgcg
cgtttggcac	caaccgtgtc
360	
gacgtaattg	aatttatggc
gcggcggttg	tactcaatgg
ggtaaatatt	gattttctta
420	
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tgaaagggag	ggaagggaaa
atgcaacgct	ccgttaatcg
480	
cgatgaactg	cgccattctt
ccctttccta	caaagagqqa
ttcqqacaaq	agacgacgaa
540	
nattgtgca	gttcccccacc
tacttttcca	gcctctcattg
atttcttctc	tggttccatc
600	
cattcggtcg	ggggccttgc
ctcgtttcgc	agcccgtgtt
tgtgatgctc	gggggtcaaaq
660	
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acagttgctc	
690	

<210> 4891
 <211> 695
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4891

gctcgcggtc	ctttcaaccc	ctgcgtcaat	ctttagttac	actggttctt	tgactttgta	60
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agtagagctc	cgtctatccg	agagctccta	ccatcttttt	gaattttccc	cttctacact	180
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gctagctgag	ctcacggagt	ctcctccaga	gggtattacc	gtcgagctag	cgaacgagtc	300
ggatatctac	caatggaagg	tttacctgga	cggcccagaa	gggtcacctg	accacaatgg	360
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gggtatgctg	cgggcccagc	aatggaagcc	tagctccaag	atcgcggcag	tgcttgagtt	540
cgcgcgtcag	ctgctcgtag	agcccatgcc	tgatgatgct	ggcgagggtc	gtatcgcaga	600
acagtacaag	aatgaccggg	ccccgtatga	ccgaaatcgc	acgggagtgg	accaggaagt	660
atgcgatggc	atagggtggg	tctctagaag	cgcga			695

<210> 4892

<211> 645

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(645)

<223> n = A,T,C or G

<400> 4892

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tgctattgct	agagcttggt	gaaaccacgg	aattatgcag	ggaatctcca	ataactcctc	180
gtacacaatg	gaagaactta	gagacaccgc	accttcggcg	agcttctttt	tccaattata	240
tgtaaccga	gatcgtgaaa	aatcagccgc	gcttctccgt	caatgctcag	caaatcctaa	300
cgtgaaggcc	atcttcgtga	cggttgatgc	agcttgcccg	ggtaaaagag	aagcagacga	360
acgtgtcaag	gctgatgaag	gcttatccgt	accgatggcc	ccatcgaaaag	caaagaacga	420
caacaaggga	ggtgggctgg	gacgtgtgat	ggccggtttc	atcgaccctg	gattgacctg	480
ngaggacttg	gtgtgggtac	gacagcatac	gcattcttct	ggttgtctaa	aaagcttgat	540
gtctgcagac	gatgccatgt	tggccatgga	agccggcctt	gacggtatct	tacttagcaa	600
ccatggnngg	cgaaccctg	acactagccc	tccttcgatc	attcn		645

<210> 4893

<211> 577

<212> DNA

<213> *Aspergillus oryzae*

<400> 4893

tatggctggg	cgaattccg	cacgaggctc	gtgcattgcta	cttgtcacct	agacctcaga	60
acctgtcgcc	gtcccttttt	actcgcatcg	gaaccgcctc	cttttccagt	actagtatac	120
atcaattcaa	aaaagccatg	tccccatcaa	acgatgcgac	cagcgcgggc	tcggatccta	180
gaccgggtgt	cttcttttgac	atagataact	gtctttactc	tagaaaatgt	aacatccacg	240
atgaaatgca	gaagctgatt	catcaatttt	tcgtgaaaca	cctctccctc	aacggcgaag	300
acgctcatat	gctgcacaag	aaatactaca	cagagtacgg	gctcgcaatt	gaaggctcca	360
ctcgccacca	caaaatcgat	ccgcttcaat	tcaacagcga	agtcgacgat	gcgctgcctg	420
tggacaggat	cctgaaaccc	gatccccagt	tgcgcgaagct	gctcgaagac	atcgatagaa	480
gtaaagtga	gttggtggctt	ctgaccaacg	catatgtcac	tcattggaaa	ccgggtcgty	540
aaattgctgg	agaggggatga	ccagtttcgaa	gggctta			577

<210> 4894

<211> 642

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(649)

<223> n = A,T,C or G

<400> 4894

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cctgggtatca	ctgatagcca	agttgcgaga	aagagtcgct	ttgagcttga	ggattctaaa	180
gctcaacaga	gccttgacaga	gctatatgag	actgatcacc	tccgagctac	tgatcctaac	240
tatgtggatc	ctaagaatca	gaagcttctg	cgcgaacaca	atgagatcag	taatctatgg	300
aaagaaataa	gctcacaatt	ggataccctc	tcgaactggc	actataagcc	caaaacccca	360
cacgcacaca	tcaacgttgt	taccgatgcg	gcaactatta	tgatggagga	tgcgcaacca	420
acagccggag	gtgctgttg	tagtgacgca	actcttggcc	cccaggagat	ctatacacct	480
ggggctgacg	gcaaggcttc	tggggaagta	gttttgagga	acggattgtc	agtttccaaa	540
gaggaaatga	ccggttaaga	gaagtcaana	tttacgggac	aacacaagaa	gccaaaggaa	600
acttccccca	agcttaaaac	ccgaaattcg	gaagggattt	tagggaaaa		649

<210> 4895

<211> 634

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(634)

<223> n = A,T,C or G

<400> 4895

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ctacgattgc	aggaaaggaa	ccctacaccc	accatgcgat	tttcgcgaac	aactctcttg	120
atcacgcgc	tggggtggat	gacgcgcgtg	accgcacaca	ccatccagct	taaggctcac	180
tccagagaat	gctaccacga	atcactccac	aaagatgaca	agatgacggt	cagcttccaa	240
gtcgggtgac	gggaattcgg	aggcagtggc	aatctggaga	tcgaattctg	ggtcgaggac	300
cccttgaaca	accgccagta	ctataaaaca	gctatctcct	ccgaggacta	ctcgtttggt	360
gctcacgcgg	atggtaaata	tgtctactgc	ttcagcaacg	agggatggac	ttcgaactct	420
aaagaggtat	ccttcaatgt	tcatggaatt	gtctacgtcc	ccgaatcgga	aatgccccaa	480
gaccccttgg	aggtggaagt	tcgtcgtctt	tcggaggcat	tggcccaggt	taaggatgag	540
ncatcttata	ttgtgggtgag	agagcgggta	caccgaaaca	ccgccgagag	cacaaatgct	600
aaagtgaagt	ggtggagtat	cttccagctt	gcgg			634

<210> 4896

<211> 969

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(969)

<223> n = A,T,C or G

<400> 4896

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tctgaaaaca	gaactctaag	ccccaccttg	gactacacgc	ggggacattt	atcgtttagt	180
tctggctggt	caaaatggcg	ttgccgaaaa	gaatagtga	ggagactgag	cgccttatgg	240
cggagccggg	ccctgggtatc	aatgctgtgc	ctcatgaaga	caacctgcgt	tatttcgatg	300
tatcgatcca	tgggcgggac	caatctccat	atgaagggtg	tatcttccgt	cttgaactgt	360
tcttgcccca	agattatcct	atgactcttc	ccaagattcg	attcttgacc	aagatctacc	420
accccaacat	cgaacctctc	ggacgtatct	gcttggtatg	cctgaagaac	aactgggtcc	480
ctgcgctcca	aatccgagcg	gctgtcctgc	tctttcttcc	ttcttctctt	gacagttatc	540
taacagtcac	tctttctgat	tgtaccttct	tcattccttc	caccatgaaa	gccaccatct	600

tagcgactat	cgctttggcg	gcatgcagtg	cgcgcagccc	cttgggcagc	gctccccacg	660
cccgaggcct	ccttgagat	tcattccaagc	cctgcgactg	tgaatcggat	catgatggca	720
gctcgccctga	ggtaccatct	gggcctgggt	cggaggggccc	tgctcccgtt	ccgatgccgg	780
ttccagttcc	tgttcctggg	ggagagccaa	acgggtcctgg	cggagtccca	accgttcctg	840
gccttcctgg	tattcctggg	gttcctgggt	ttcctgggtg	tcttggtgtt	cctggacacc	900
ccaaccacc	tgaagacca	gaggatccc	aagatccctg	agatnctgaa	gacccgagg	960
atcctgaag						969

<210> 4897

<211> 769

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(769)

<223> n = A,T,C or G

<400> 4897

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accactttca	gatttttcggc	accactaatt	gatccaacaa	acacctggcc	atttcactct	120
agctccttct	cgagcactca	cactcaaaaac	catgggtatca	caacgggata	aagagctgct	180
cagagatgat	gttcgtgccc	ggggaacaaa	acttagtgct	gctgatcgtg	agagcctttt	240
gaaaccatac	ctaccagatc	cctcggagct	tccacttcgg	ccaccgcagc	ggcgcagaaa	300
aacatcgccc	aggaagacac	ctatccggac	tttcctgaag	tcgcaactgc	accagctgac	360
ctacactctc	attcacattt	tctttgggtat	tgctgttcgc	ctcgtccaga	gctatcatgc	420
cgctcgtagat	aggggtgtttg	ccatcgtcta	ttatcaccac	cgcacccccg	aattgatcag	480
aaaggatgtg	aagaatttgg	atcgtttgccc	ggagcacttg	agtgttatat	tgctactgcg	540
gcaagaggag	gattcttttaa	cgattttaat	ggatgaagtg	gcagaacttg	ctgcgtggag	600
cgtcagtgtc	gggatccctg	tgtaaagcgt	ttatgagaag	agtgggggtcc	taaaatcatg	660
cattcccaca	ctgcaccgca	tcgttacaaa	caagctctct	gcgtattacg	ggctctcttc	720
ccaacaacca	acgttgggtn	ttttgcccct	caccacctgt	gtatcaacc		769

<210> 4898

<211> 656

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(656)

<223> n = A,T,C or G

<400> 4898

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ccgccagctc	ggacgttaat	atcgaaatgc	tcgactacat	tgtttcgctt	cgcgaaggaa	180
ttatggatgc	ttgggggtgg	attgttttgt	cttataaggg	caagcctcaa	gtgacttccc	240
tccaqcccta	tggtgaatct	atcttccagc	tcctccacct	gatctctcag	gatctcaacc	300
ggagtggagg	gctgatgagg	gcttcaatgg	gtgttcctgg	cgacatcgcg	gagggtttcc	360
cgaatggaga	gtttgcggcc	ttcttcogta	acacctgggt	caaggactta	gtcagagaca	420
ccaganacaa	cagagacttt	ggcgcgacca	cagttgagac	tgctcgtctg	gctcgtgagc	480
aggtcaagcg	tcaggctcact	ctgtctacgg	ccgcagctat	ggcataagca	tggaactctcg	540
cactcgcaaa	gccttttatt	gcttttgtca	aaccaccttn	ctcggagcaa	ggcgcccttc	600
aaggcgaact	aangaagtac	gctggggaacc	acttqactcca	attccatattg	qqaatn	656

<210> 4899

<211> 645

<212> DNA

<213> *Aspergillus oryzae*

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<400> 4899
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ttgaaaaaac ggtccccaga cttccctggg atctatacat gctcgttaaa tgatggtctg      180
gatactatct ttgacacaat tcgcaagtct cgtgttcacc gcctggtagt ggtggacgaa      240
aacttccgac taaaaggcgt tctcacattg agtgatattc tgcaatatat ccttctagaa      300
ggcgaaaacg acgaatcgtc ctaatgtaat ccagacatcg cgctcaaggt gcctggtgca      360
caattaaaac ttgcatggga atggcggttaa attctgcttt ttacggtcag tgaaatggtc      420
tattgtgaag gattcaacgg agacatgggt acgttcaaag cgcccttctc gtctccaact      480
agggcatgga ctcttgactt gcagtgcacg aggaacaag gtattgtatg atgggttaaa      540
tttctattgg gttggccctt cgcttgctcg gtttacgttt tggccacgaa ttcagaattg      600
gcgtttggaa tgaccataat agaatttttc ttttatgcct ggggtg      645

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<210> 4900

<211> 570

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (570)

<223> n = A,T,C or G

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<400> 4900
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cactggtcaa acgccttggg ttggacaaca agcaattggc acaagccgca gccttcacca      120
acgacaagta ccccaacatt gatatcgact tccaggctcg agatccggac gatatcactg      180
ctggcgagcc tgcgtacctc aagggttaaga tcgaacggga agttgaagaa gacgaggaac      240
ctgatatgac ggtacacgcg cccttctaca ccaacaagaa gatggagAAC tgggtggttg      300
tgggtgggaga tgagaagacc aagagcttgc ttgctatcaa gcgagttacc gttggacgga      360
aattggagtt gcgtcttgaa tacatcgctc ccacccctgg cgagcatgaa ttgacattgt      420
acctgatgag cgacagctat gtccggtgtt accaagcgcc aactttcaat gtcaccgccg      480
ccgaggggaat ggaagaggac gagagcgagg aggaagacga ggagtanagg agagaatcca      540
tcagagatat tttgatttgt ttatttgtaa      570

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<210> 4901

<211> 673

<212> DNA

<213> *Aspergillus oryzae*

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<400> 4901
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aagttcgatg gcaagtaccg agtgaaacgt tcaactggta tacctcgttc tctgcaaacc      120
aaagttgaaa agccggaatc gctcacgata gatggctcca atgaagattt gaagaataca      180
ggcgttatgg ttaatgctga tgggtatttt gtcattgcta aaccagacaa ggcggcttgg      240
gaattgtacc aagaaaaagc taaggcttca gccgctgccg ccgcggaagc tgcagctgca      300
gaatatagca aggagttgca agcacgtggg cttagagtgc caattgataa acggatgttc      360
ttagaaccgg caaaaacccc gtgctgccaa agaacttact gcaatgactg tattacaaat      420
gcattaatcg aqaqrgatll cgtctgtcct ggatgtggaa cagaagggtg cctactqqat      480
aatctgtctg cagacgatga cgtctgcaca cagattaagg cttatgaggg tgagaagatg      540
gatttgaaaa aggaaaaaga gaaacaatcg gcagccccag agaatcagtc aaacaacaaa      600
ccatatgcct caaccgacga tttcaagtga aaaaactgag ttgtcgtcaa caggccctcaa      660
ctgggggaaaa ttt      673

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<210> 4902

<211> 1365

<212> DNA

<213> *Aspergillus oryzae*

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<220>
<221> misc_feature
<222> (1)...(1365)
<223> n = A,T,C or G

<400> 4902
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acaaaataat tgctctccct tatacagtcg tccctgtccc ctctcgcat ttaatcctag      120
gcgctcacc cttctttctc gacgtttcag tacgaacacc cccgtcgag ctatggcatc      180
tgctgctgac cttactgtcg ccgtggagg gctcaagctc cagtcacca ccgagacctc      240
gaagttcccc aactcctttc cttccctgaa ccccgctgat atctacagag agcatatcgc      300
cgagaagctg ggtgcgggta ccggcatcga ttccgagaag atctatactc gtctgcaatg      360
gagtagcaca ttggacaagg gtgatttgtt gctgccggtc cccgccttgg gtatcaaggg      420
aaagaagccc caagagctgt gcgaagagct tgcccagaag ttccccgagt ccgacctcgt      480
gctccctcct acttgtgttg gcctccactt ggtggtcttc ttcaagccgc aacctttgac      540
ccctactggt gtgagccgca tcttqaaaqa gaaggcggcc tacggtacaa atggcaacca      600
gggtctgcgt gacccctcgg acccttccaa gggccagaag aagataattg tctagttctc      660
ctcgcccaac atcgctaagg ctttccatgc cggtcacttg cgtagtacca ttatcgagg      720
tttctggcg aacctctaca ccgtcatggg atgggatgtc atcaagatga actaccttgg      780
tgactggggg aagcagtatg gtctgcttgc caacggttac aagcagttcg gtacgaaga      840
ggcgctgaac aaggaccoga tcaaccacct gttcgatgtt tacgtcaaga tcaacaacgt      900
tgttgcccag caggagggac ccatacagga gctgaaggag cagatcaagg ccaagaagga      960
gaagaatgag gatgtctccg aactcgaaca ggaattgcaa aagcttgttg acgccagtga      1020
ggacgagagc gctcgctcgt acttcaagag tatggaagat ggtaatgaag aggcattggg      1080
tctctggcgc cgtttccgtg acctcagtat ccagaagtac cgtcaaacct acgcccgtct      1140
gaacattgac tttgatgtgt actctggcga gtctcagatc aagaatgaga gcatgactgc      1200
tgccatagag accatggaga aggcggcggt ctccgagaag tctgagggcg ccgntattgt      1260
tgacttcacc aagcacgggt ccaagaagct tggaaaaggct atcattatcc ggaaggacgg      1320
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<210> 4903
<211> 594
<212> DNA
<213> Aspergillus oryzae

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<220>
<221> misc_feature
<222> (1)...(594)
<223> n = A,T,C or G

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<400> 4903
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ctccggccag attggcttca tggctctgctg caaggacgcc aaccgcaacg tgcgtgagcc      180
cgctccgcagc tggactcgcg aggaggagga gcgtctctgc cgctactaca accaggatat      240
ccaccggggt agcttcggtt ttcccaactt tgcccgtaa gctttgaact agattgatat      300
tggctccttg cacccttttg aatgaaatct gtttggggcg gacgctgttt tccatctaga      360
ggcgccatgg cggcggataa tcgatgatga tttgatgatg atgaatacaa caagggtttt      420
tcctctttgt tcttctttgt ctttattaca ttccctcctt ttctgatgat gtgcgactcg      480
tcttctacag agacgggcag tcttgtccat gacatcacgc aataaaggat aaaaaqtatt      540
tctgtatggn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      594

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<210> 4904
<211> 684
<212> DNA
<213> Aspergillus oryzae

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<220>
<221> misc_feature
<222> (1)...(684)

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<223> n = A,T,C or G

<400> 4904

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cgtcgtaacg	ggcgccctcg	gccccgcgg	catgggaatc	gaagccgccc	gcggctgcgc	180
cgaaatgggc	gccaacatcg	cctcaccta	tgccctcgct	cctcaaggcg	gcgaaaagaa	240
cgcagaagaa	ctcaagaaaa	cctacggcgt	cgaagccaag	gcctacaaat	gcgacatcgg	300
caacatggag	agcgtccaga	agctcgttga	cgacgtgatc	aaggactttg	gacagattga	360
cgcccttcac	gccaacgctg	gtcgtaccgc	tgacggcggc	gtcttgagat	ccattgcaag	420
gcgtggatgg	aggtcgtgca	aacggatctc	aacgggaacct	accactgcgc	taaggccgtg	480
gggccacact	ttaagaagcg	ggggaagggg	caatttggtc	atcacggcca	gtatgtcccg	540
tcacattgcc	aacttccgcg	aggagcagac	ctcctacaat	gtggctangg	ctggtgtatc	600
cacatggcac	gttcgctggc	gaatgagtgg	agagactttg	ctcgtgtgaa	cagtatctcg	660
cctgggtata	tcgatactgg	aatg				684

<210> 4905

<211> 672

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(672)

<223> n = A,T,C or G

<400> 4905

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ttaacaccag	ttctgagagc	gtacgaaaaa	gatctacgga	ctccctttgt	cggaactgta	180
cgaggtgacc	ttgtacgagc	actcttgatc	caaattccaga	agacgaaggt	agatggtgag	240
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ggccttacac	ctgggtatcct	ggtctcgtac	gcgtctcttc	gatggttctt	ggatctgttt	360
ggcaatagaa	aggggtctgag	gatgggtaga	cggcaggatg	aattaagaca	tgcactgcgg	420
gctgctcacc	gaacgttgat	atcgccaaac	cctgcaccta	ccggcgtgct	cgcatacagg	480
gatcatgggc	ttctgatctg	tgacgctgag	atcttgctta	agaaagcaga	aactcttctg	540
agtgggacag	agctccgcgc	ctttcgagaa	gatgtcgtcg	accttatcaa	ncagagaatg	600
gttgctccgg	agcttganat	tggtggcaga	atgggttggg	tctactcgaa	atggatgaaa	660
tgatggagtt	ct					672

<210> 4906

<211> 692

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(692)

<223> n = A,T,C or G

<400> 4906

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tctgagaaa	gatgaactgt	ctggtaatca	gcgcaggaca	tcacctatca	ccgcgcgtac	180
gttagagaaa	ttgattcgtc	tggctaccgc	acacgccaa	tcocgtttgt	ctaacagagt	240
tgaagaacgg	gatgaaaagg	ttggggagtc	ccttctcggt	tttqctatgt	tcaaggagggt	300
tctcgaagac	gaacgcgcgt	agaggagaaa	ggttactaca	ttcgacgagg	actcggaaa	360
cgagtcagag	gaggactctg	atgaggagga	tactcccgcg	caaactgcaa	gtgccacccc	420
ggggtcaagc	cggagaagcg	gaacactgcg	cactcgtgca	gctgcgaacc	gttccactac	480
tgatgaaatg	gacgctgatg	gagacgatgc	ttcggaagat	ggcgacgggt	tatacagcgc	540

cagtcctcgt	ggtcaacggt	tacggtcgag	ccagggcacg	cgtactcaga	cacaaagcca	600
gtctcagatg	tctgtggcat	cttctcagcc	agcctcacag	ctcatcgact	ccnagacaga	660
cacttctcag	ccccaggcat	cgtctgccag	tg			692

<210> 4907
 <211> 528
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(528)
 <223> n = A,T,C or G

<400> 4907						
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ancatcggtta	gtccagatgc	cgggtgggtgcg	aaacgtgcta	ccgggtattgc	tgaccgtctg	120
gacttgcaat	tgcacttat	ccacaaagaa	cggcctcgcc	cgaacgatgt	ctcccgatgg	180
ttcttgtcgg	caacgctcaa	gataagtcgc	cattatcgty	gatgacatgg	cggacacatg	240
cggaaactctg	gccaanggct	gncgatactt	gtattgcaca	cggaaacttac	gaagcgaatg	300
cgatcgggtgg	tcacgggtatt	cttttccgct	aggccttgaa	aaccataaca	agagctgcct	360
cagcgtctag	agttaccaca	ctgtcctcac	caaagaagaa	gatcagtgc	acagatcgaa	420
acttcgattt	agccctattt	tgccgagcct	gaaacttccc	ataacgggag	cccggagttt	480
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<210> 4908
 <211> 685
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(685)
 <223> n = A,T,C or G

<400> 4908						
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agatatgagc	agcctgagaa	acatgctggt	gttgacgttc	cccttcccaa	gtcccgtagc	180
aatgatgtct	tggccaaggt	caaggcttgc	ggtgtttgtg	gtactgacct	gcacatccat	240
gagggtcaat	tcattgccaa	gttccccctg	gttccctggc	acgaaactgt	tgggtgtcgtt	300
gcgggtgttg	gcccccaagg	caagggtctt	gaagtcggcg	agcgggtcgt	cgccgataac	360
toggagcttt	gtgggtgaatg	cttctactgc	cggcgtggag	acgagttggt	ctgtgaacac	420
ttcgaggctc	acgggtgtcac	catgaacggg	ggctttgccg	agtactgcgc	gtatcctgct	480
ggcaggggat	tcaagatcaa	gaacctctct	gatgtcgatg	ccacccttct	cgagcccgcg	540
togtgcgcgc	ctcacgggtt	ggacaagatc	gtcctaaga	tgggctcttc	cgttttgctg	600
gtcgggtgctg	ggccccaccg	gccctatcct	tgctcagttg	cctccgncan	tgcngtggat	660
gcogtggtgt	tgtggccgct	ccgaa				685

<210> 4909
 <211> 892
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(892)
 <223> n = A,T,C or G

<400> 4909

gactccctac	ttctactgct	tgtctaatgt	actgaaatgt	ctttgcta	caaccctcgc	60
ctgttgacca	ggactggcaa	gcaatcgctg	ttcgagtg	ccgctcgcag	catcgctttg	120
ccaagtagcc	cagacgttat	tgataaatca	aacttcaaag	tttctcagag	catagctaag	180
atatcaccgc	tctcaacgga	acgggaccaa	cagcctgcat	catgtaccaa	aaattggggc	240
gagcgccctg	acggtatcaa	cgctaaatcc	cggctgccac	gaagcgtgca	agcgggtgat	300
ttgcggcctc	tccgacggaa	agccgaatat	ggattgccgg	tttgcgacct	tcaacttcga	360
tcgtatagcg	ttcgaaatgt	ggagttcttc	gctgatttcg	ctgtgcgtgc	tgctatttac	420
ttaaaacttc	ctgtctccgg	gcctgtgcct	ctaccacgca	tcgttgaacg	ttggacattc	480
cctcgaagca	atttcgtgca	caagaagagc	caggaaaatt	ttgagcggat	cactcttcgc	540
cgactgattc	aaatcaagga	tggtagccct	caggttgtgc	agacgtgggt	ggcattttta	600
cgaaagcatg	ctttatatgg	agtgggtatg	aaagctaata	tttgggaaca	cgagagcctt	660
gacgtgttca	agaatataga	taacgcagtc	cctgaggttg	aagggtcctc	cgagcctcat	720
ctatcacact	tcggtcagcg	gggaggtgaa	gggacgcana	gtccgatacc	tgatcttctg	780
ggcgacatgc	gacttcttaa	acacagaagt	ccactaagca	gcgtccgcga	aggctgaaaa	840
taagccaata	gctccctata	tactctgcca	tttcaaagct	tcccacataa	at	892

<210> 4910

<211> 620

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 4910

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caagggcact	ccccgcgcga	aggtcaagaa	ggtccacaag	tctccggcg	ccgacgacaa	180
gaagctccag	gctaccctga	agaagatgaa	cgtccagccc	atccaggcca	tcgaggaggt	240
caacatgttc	aaggaagacg	gaaacgtcat	ccacttcggt	gctcccaagg	tccacgcctc	300
tgccccctcc	aacaccttcg	ctctctacgg	taacggcgaa	gagaaagaac	tcaccgagct	360
cgcccccggt	atcctgaacc	agcttggtccc	cgacagcctc	gcctccctcc	gcaagctcgc	420
cgagagctac	cagaacatgc	agaagaacca	ngcngtgcc	gagggcaaga	aggatgatga	480
tgaggatgat	atccctgatc	tggttgaggg	cgagaacttc	gagagcaatg	tcgagtaaat	540
tcattaacca	tatcatatca	tatcatgggg	tttaatggat	tgatataaaa	atgtgaacaa	600
agacattaaa	aaagggaaat					620

<210> 4911

<211> 708

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 4911

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aacgaacaaa	gatggcacca	agaccgttgt	gtcgtaccgc	ttcaacgatg	agggcaagaa	180
ggtgaaggtc	acccgcgcga	tcaagaccac	cgtcgttcgc	gaacatgtca	acccccaggt	240
tggggagcgg	aggtcctggg	ccaagtctgg	tctcgagaaq	ggccacgctc	ccggaccctc	300
gttcgatact	acctccgtcg	gtgagaacat	cgcttccaga	cccagcatca	actqgaaggc	360
acaagccgcg	gaggcggaga	agaacggcgg	cgagaagggc	agcatgaagg	atcagctcaa	420
ggacaagaag	gtcaagtgtc	gtatttgacg	cggagagcac	tttacagccc	gctgtccggt	480
caaggatacc	atggcgcccc	tgcacgagcc	caccgctggt	ggcgtggtg	aagatgatga	540
agcagccgcc	ggtgctgtcg	gcactggatc	tggcagctac	gtgcctcctc	atcttengaa	600

aggtgctgct	ggcggcgggc	agagaatggg	tggcangttc	gagaacgacg	atctggcgac	660
tctgagatgt	acanacgttt	ccgagttggc	ggagaaggag	aactccgg		708

<210> 4912
 <211> 679
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1) ... (679)
 <223> n = A,T,C or G

<400> 4912						
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atttgcgttc	accaaggagc	ccttgattga	agaataatcg	qttgcggcac	aaatctataa	120
gttttagcgcy	gltgatatgt	gtgagctggc	gaaacactca	gtcttataaa	gtgggtttcga	180
gctcgcctta	aagcaaagat	ggcttggcac	aaactgttca	gcggcaggag	tctcgggaaa	240
caatgttgca	aaaagcaatg	ttccagacat	tcgagagaga	tttaggcattg	aaaccttgtt	300
aggagagctg	gcactgattg	gaagatatgt	tgacagtctg	agtacatatt	caaaagcact	360
acccttcaga	ggccagttgc	atcctagcgt	gaccacggaa	aatgagaaca	atccaagcca	420
tcctttgcgg	aaggaggctc	angetacagc	atttctgcag	acttctaata	cgggtgaatcc	480
tcacaaatat	ttacaaaatc	agtctgagac	caacgccgct	ggagaggctt	gcttcccaag	540
ttccactccc	ccgggtccca	aatctagcga	ggatactgga	cccgaacgt	taccagaaca	600
aaagatatcc	ccttgtattg	tgcacgaaag	ggctcancgg	ngtaatatgt	tgactccggc	660
attggctgaa	gatgacang					679

<210> 4913
 <211> 672
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4913						
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ctctttgagg	gcctccgtgc	ctcgtgccgt	cagggccccc	gctaccttcc	agatccgcag	180
cgtccttgcc	gctcaattcg	ctcctcgctt	tgcttccag	ggcgttcgtc	tctactccgc	240
tcttgccggt	cttaacaagg	aggaagctga	gggacggata	gtcaaccttc	tgaagaactt	300
tgacaagggt	tccgatgcca	gcaagatcaa	cggctcttct	cacttcgcaa	acgaccttgg	360
acttgacagc	ttggataccg	ttgaggttgt	tatggccatt	gaggagggaat	tcagcattga	420
gatccccgac	aaggatgccg	atgccatcca	cagtgttgac	aaggctgttg	agtacatcct	480
tgctcagccc	gatgccact	aaattatgta	atacgaagat	ctgaatgatt	ttgcgggtta	540
gatagaaaag	aaggggatgg	tggcgtgcat	ctacatgggg	tctcagcgtg	gaaacgctac	600
ttgtatgctg	atacatgccg	gtgttggttc	accctattat	atcgtgtata	tcattcttaa	660
tgcagtttga	tg					672

<210> 4914
 <211> 637
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4914						
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caatecgtea	gtcatggcgc	gagacgagcc	ccttttggct	ccgcgcccct	cctccgacca	120
ctctctgatt	cgggaatgcag	nagaagagga	ngccttacta	acaggcgagc	gcacccaccc	180
tgaacagcaa	cgcagcaaat	gggccttctg	gaaagacgac	ggtctctttt	cctggggggtt	240
cattgctacc	attgccgtga	tgtcctctgc	cgtgggttla	caacatgaga	cgagcaaaaa	300
ccatagcgcg	aagcaacctt	ggggcccccg	aggcaagccg	accggcaagc	ggaacttgat	360
cttcatggtc	tccgacggaa	tgggaccac	tagtttgact	atgaccagaa	actatagaca	420
attacgggag	ggactgcccg	tggatcagac	actcgtgctg	gatgaccaca	tcattgggtac	480

ttctagaacg	aggtccagca	acagccttgt	cactgattcg	gcagccggtg	ctactgcctt	540
ctcgtgtgcc	cataagagct	acaatggagc	tatctccgtg	ctgcctgacc	actcgccttg	600
tggaactgtg	cttgaggccg	ctgccttggc	tggtttg			637

<210> 4915

<211> 670

<212> DNA

<213> *Aspergillus oryzae*

<400> 4915

cagaagcaac	tgggggtgcg	tctgatgctt	cgaataaatc	caacatgcta	gccgaaatgt	60
accgtccgcc	gtttgaaatc	atgtcacgac	ttccatggga	ccaagcccg	caggaaggcc	120
gtgagaatga	gaggtgggtg	ctgggtcaata	tacaagaccc	ctccatcttc	gactgccagc	180
tqctgaacag	ggacttgttg	aaggacgcgc	ggatcagaga	cactgtcaaa	gaacactttc	240
tcttcttgca	gtactetaag	gacgacccac	gagctgcgcc	atacctacaa	tactattttc	300
aaqcgagcga	cgtctccgac	aactaccggr	atategnat	tqtcgaccca	cgtaccggtg	360
agcagatgaa	ggtgtgggtc	gggcgcgctg	tggtgaaagc	cgcagacttc	ctgatgcagc	420
tgcataaatt	tctcgaccgg	tacagcctta	accacaatgt	acggaaccca	gtggccaagc	480
ggaaaccgga	gaaaaaagag	aaaaagcttt	cgtgctcttg	accgaagaaa	gaaatgagtg	540
ggatctgcgc	atgagaaaat	ttccttgggg	gagataccct	ctccaccccc	caaaatttgg	600
aagaataccg	accattttta	ccccgagcgc	ttaaagaccc	tataagggaa	aaggcccagc	660
aaccccatct						670

<210> 4916

<211> 638

<212> DNA

<213> *Aspergillus oryzae*

<400> 4916

cgaaggcaaa	gacatcccg	tctccacatc	cagtgtcttg	ttgctctcag	acctatcggt	60
ctttcgggaa	ggatcgaccc	tggtgcggga	gcaggaaagt	cttcgttctg	acattttccg	120
ctcattcacg	tctgcaaag	atacacgagg	ggccatccaa	gctttgaaga	aatatgggtc	180
agaagaaccc	caactatacg	tagatgcttt	gacttatctt	gcttcaagcc	ccaagattct	240
cgaagaggct	ggcgaggagc	tagatgttgt	tctcaaacgc	atcaacgatg	aggggctcat	300
gtcgcgcctc	caagtcattc	agggcgtcag	caacaacgcg	gtggtcacta	tgggcggggt	360
gaagaagtat	ctgagtgata	acatcgagcg	agaacggaaa	gagatatcga	ctaategtcg	420
tttgatttcc	agctatagca	cagaaaacgga	aaacaaacgg	aaggagcttg	aacaattagg	480
tagcaaacca	gttggtttcc	aagctcgccg	gtgtgcactt	aagtcttgcg	gtggagtgtc	540
ggaccttctc	acggttcaat	ttctctgcaa	acattctttc	caccaacggt	gtctgaacaa	600
ggtcgacgaa	gaaaccgaat	gcccgggtctg	tgctcctt			638

<210> 4917

<211> 669

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(669)

<223> n = A,T,C or G

<400> 4917

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cagccgccag	gatgctgtgc	ttgcccggtga	aggtatggaa	tcttataagt	ctggagacat	120
gcaacttaqa	actcgatggg	gtgtcqqatt	cggaccgcgt	gactgtagcg	actatcagac	180
aggcattaqt	ataattccgg	ttgaacgact	caggagggcg	gateggaat	ggatgctcac	240
tgctgaatat	ggcggggaccg	gaggcagacc	catcgagagc	ggcatgggtg	ttgaagagcc	300
agatatcgag	atcgggtgctg	gagtttcate	caaagctatc	agcaggcgga	ttgcaactga	360
tacggggggc	aaacggggtc	caatttcate	ccgcacacag	caggaccgct	tcccccgacc	420
agaccgggac	ggacrttcgg	ctaqaatggg	ccctggcggc	catgggtggc	aacccgatcg	480

agatatctcg	aatgcaaaca	atgtcggcgt	ccctcctgct	gtgcccgggt	ttggcttttc	540
ctttccgggt	atgcccatgt	tcctccagg	attcatgatg	ggaggagcac	aagctggaac	600
atctagcggg	tcagcacagc	ccccaccccc	ggttcaaggg	ggcaactaag	ttcttaatca	660
agttcgaa						669

<210> 4918

<211> 650

<212> DNA

<213> *Aspergillus oryzae*

<400> 4918

taccccatat	tgaggttctg	taaactgaga	atgctcggtc	gttccgtgtc	tcttgctacc	60
gttctgctta	ccctgagcgg	cagcttcgcg	aacgctcatg	ggtctcactc	gagtgagcag	120
aatccttctt	cggattgggc	tactcagcac	atgcaagagg	agcaccacat	tgattccttt	180
gattcctgcat	ccttctttac	tttccacgat	tatgataact	cagggacatg	gacagccgat	240
gaggtacgga	agacatatgg	cctcgatgat	gagtrcaaatg	caagtgttaq	cgaagagcgc	300
aagcaacagg	ctgtccggga	agtctttggg	cttttcgacc	ctgggaacac	tygattcgfc	360
actcgagata	actggatgcg	tctaatttgc	gaaggcaagc	gtctacctga	tttcggattt	420
ggacctggcc	accatggcga	catcgaatat	gagtatgaaa	ttcatcattt	cgagaagtat	480
catggagacg	atgccaagga	ggaagacttc	actcatccag	aggatattga	gcatttcggg	540
aggcatgacg	aggaagacga	cgtgcctat	cgacttgaa	agcttgagaa	gatgcagatc	600
gtggtaaaga	acataaccaca	gaagtttctt	gaaacgagtt	tagcgcgtgg		650

<210> 4919

<211> 718

<212> DNA

<213> *Aspergillus oryzae*

<400> 4919

tgttgtacat	actttcatac	accggtaaca	tacactcgtt	tacaaaatgc	ccctcgccaa	60
gtcagaatac	ctgagtata	cgtggaagga	cggcctcttc	acaaacaagg	tcgttttctg	120
caccggaggg	gcaggaacca	tctgcagtgc	tcaggctcgc	gccctcgttc	acctgggtgc	180
aaatgcctgc	atcgtaggca	gaaatgtgga	gaaaaccgag	aaagcagctc	aggacatcgc	240
tacggctcgt	ccagggtgca	aggtcattgg	catcgggtgc	gttgatgtgc	gcaagttcga	300
cagtctgaaa	gatgcagtag	accgttgtgt	caaggatctt	ggcggatatag	attatgttat	360
cgtcgggtgc	gccgggaact	tcctcgcttc	gatcaaccag	ctttccgtca	acgctttcaa	420
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cctggttgag	tcgcgaaata	aacacaaggt	tgactccaag	tcctgaagc	cctctccgct	540
aggcaccggt	ggacgcatac	tttttgtag	cgtaccatt	cactacagga	ccattgcctt	600
ttcagacgca	ttgtgtgagt	agcttatagc	tggcgtcgat	gcctttgtcc	acaatgtttg	660
ccgttggaatt	tggcccactt	aggcgtgact	ttctacaatt	attgggcccgg	ggtccaac	718

<210> 4920

<211> 675

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(675)

<223> n = A,T,C or G

<400> 4920

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ccttanagaa	gtacaaggac	aagctggatt	tgggtctcgc	cttgaagtac	agtcttcaag	120
gtgtgttgtt	cgacyaccag	tgycaggccc	gttccatgct	gttcatgcgc	tatgttattg	180
ttttcctctt	gagacttgtg	tctggcaaga	acttccccca	agagcccatt	cagttgcctc	240
tgcccgcgga	gcagcaagaa	gtttggaagt	gtcttcttga	gtactttgtg	gacgacattg	300
tgagcaattt	caaattcatt	atgtgggtgca	tgccctcaat	cattaccgca	acgcaagggtg	360
acgaattgggt	aatgctctgc	atagcctttt	tggaaagcac	tagctatatc	aagaacccgt	420

atttgaaggc	cgggtcttgtc	tctattctct	tccgaggaac	atggcctcgc	cctggcggtg	480
cgcgngcgt	gctggtggac	ctcttaaact	ccatgccctt	tgccaacgag	tatttgctgc	540
atgctcttat	gaagttctac	attgaagctg	agcacactgg	cacccatacc	cagttttttg	600
acaagttcaa	catccgtttt	gagatcttcc	agatcatcaa	atgcatctgg	cccaataccc	660
tataccgtgc	caagn					675

<210> 4921

<211> 684

<212> DNA

<213> *Aspergillus oryzae*

<400> 4921

cctccaagcc	ttgcgaaatc	gaggcggttc	ggtctggatg	ctttccggag	acaatccgac	60
gactgctcac	gcagtgggag	agatgggtgg	catccctcca	gacaacatta	ttgctggtgt	120
gctgcccag	caaaagccg	aaaaagtaca	atatctgcaa	aaaactctac	agaagccacc	180
tccgacgagt	tggttcagac	ggggcaagga	gccccagtc	ggccgcgcga	tcgtcgctat	240
ggttggtgat	ggaattaatg	actcaactgc	tttgacggtg	gctgatgtgg	gcatcgccat	300
cggatctggc	tcggatatcg	ccatctcgtc	cgcgagttt	gtcctggtct	cctctggtct	360
tacctctctc	ctcaccctga	tccacctcag	cgcctctgta	tttcgacgga	tcaagttcaa	420
ctttggctgg	gctttggtgt	ataactgtgt	tgccgttcca	gtcgccgctg	gtgtgttcta	480
tcccattgtg	agcaatggca	cccattgaag	gctggatccc	atctgggcca	gtcttgcaat	540
ggcggtgagc	agtgttagcg	ttatctgcag	tagtcttctc	atgaggaccc	gacttccatt	600
ggttggtttc	agagctaaga	aataatacgt	ttgaagatat	ggaataccct	cgtgtatcaa	660
ggattatata	gattgccttt	gcac				684

<210> 4922

<211> 1214

<212> DNA

<213> *Aspergillus oryzae*

<400> 4922

agttaaaaat	gggatgtttg	attcaataaa	accatgcgta	tggacattag	agctctacct	60
gggctgatga	tacagatgaa	gctaagcgat	gcgaaacgac	agatataaat	ataccgcgac	120
ttgataaaga	aagcggtagt	atcgagcgga	tgctccgaaa	cgccgtacaa	gacatagcga	180
atgaagtcga	aaaaatcatg	aatcatgcga	ttgcaaagaa	aggaagacac	agagctgatt	240
tgggtacatg	tcgaggttcg	tgtttaggga	aacggcatgt	tcaacctagg	ttgagcatat	300
cgatatctaa	gtgcagggcg	tacatatgtc	caacctctca	gaagggaccc	ttaaattcaa	360
tgtaagggc	cttcaggcaa	gtgatatgct	caccatcact	attgaagaca	tcggcttgaa	420
cagtgtattt	gcccggagga	atctgttttg	gcaaactcgac	ctgcttggtc	aatgtcatgt	480
cacctgggtc	cagaggacat	ttaagttcta	cgttgacgag	ctgttcacag	agatcggtcg	540
tctgcctgac	aagagtgtac	tcagcgaact	cgacgtttca	gtctccgccc	aacttgcggt	600
taaatcgatt	gattctcggt	ttcacatatt	aaacaaatct	attcaaaatg	aagcaccttg	660
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gcgtttctct	ttccgctcgt	attgatgccc	atgaggagcg	cctccagaag	gtcatctccg	780
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tcggtctctt	cgactaagcg	ccttcaactcg	tgcgagcctc	aaaaaatatg	tgatatctcg	1020
tgggggaaca	gaaatctggc	agtcattttg	agtattggga	ggaaaatggc	ccatttccgt	1080
caagttctgt	tggttcagac	ttctctgatg	cagttacgaa	ttatgcatac	ataagctqaa	1140
aaagctcctt	gatagccaat	acagatttct	tgacctccaa	aaaaaaaaaa	aaaaaaaaaa	1200
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<210> 4923

<211> 655

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(655)

<223> n = A,T,C or G

<400> 4923

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tgactggtgc	aaatggcttc	atagcctccc	atatacgttga	tcaattttctc	ggaagcgggt	180
acagagtacg	cggaaactgtt	cgatccgaaa	aaccatggct	agatgactac	tttgccacca	240
ggcatggtgc	tggtcatttt	gaatcagttc	tgtaccgga	actgggagac	aaggagacac	300
tggataaatt	attggacggg	gttgcagggt	tgtacatgt	ggcatcagat	gtctccctga	360
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cagcgaagca	tgataccgtg	actcgattcg	ttctgacttc	ttcagcttct	gccgcttcgt	480
tccctcagcc	tgatcaacct	ggtattatca	tcgactcana	tacatggaat	gacagtgccg	540
taagaagcgc	tagggatccc	agtgttcccc	tagcccagaa	atcatacttc	gtgtacgctg	600
catccaagac	cgaatcanaa	cgagagggcc	tgaagtgggt	aaagcagaac	aagcc	655

<210> 4924

<211> 681

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(681)

<223> n = A,T,C or G

<400> 4924

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aacgacccga	agtgtcttcc	tatcccggtg	cgctccggctg	agccaaaaca	ccgactcaag	180
ctggctgtaa	tgtggaacga	cggcatcgtc	actcccactc	cgcccgtaac	tcgtgcactg	240
aaagaaacag	ttgaccgact	aagaaaggcc	ggccacgagg	taatcgactg	gaaaccaaca	300
ggacacaagg	aagcgcgaca	gcttctacag	cgcaagttcg	tcgccgacgg	aggtaagtca	360
gtgcgtgggc	tactggcgcc	gacgggggag	cctttccggg	aggaaatgcg	agattacgag	420
aaggcgacgg	agctgggtgt	tcattgagatg	tggcagattc	atcttgagcg	gaatactctg	480
cagaaagatt	atcttcatcg	atggaacgct	agtggaaattg	atgggattct	ctgtccaaca	540
acccataaca	gctcggttga	gcacggtaaa	tttgcatatg	tgggatacac	cgggtgtattc	600
aacatcctcg	actactctgc	cgntttcttc	ccttgccggcg	tgaaggccaa	taanggcgtg	660
gatgtgtcgt	atcacgggca	c				681

<210> 4925

<211> 591

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(591)

<223> n = A,T,C or G

<400> 4925

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cgtgttctcc	cgatcttcta	tccatacaac	cagctttcca	tccacttctg	acaagatggg	180
tgttactgag	atcaagaact	ctgctgaatt	ccaggaaaag	gtcatcgact	ccaacgagcc	240
tgtcgtttgc	gatttcttcg	ctacctgggtg	cggtccttgc	aggatgatta	ccccagccat	300
cgaaaggctc	agtaatgaga	accagggcgt	caagttctac	aaggtagacg	ttgatgggct	360
taaacaggte	gcggccgact	tgggtattgc	cgccatgcct	accttcgtgt	tcttttaaaga	420
cggccagcaa	atcaaagagt	taaccatccg	cggtgccaac	cctgggtggg	ttcagaacag	480
tgtgaaagcc	ctgctggcat	aaattgtctt	cttctgaacc	ttttgtcaac	aaggttatcc	540

gtttattata gaagaatatg atagagtttt nnaaannaaa aanaaaanna n

591

<210> 4926

<211> 261

<212> DNA

<213> *Aspergillus oryzae*

<400> 4926

gctatcagcg	ttagcttcgg	ctgcgtgaac	agcttgatca	gcatgccttg	ccggatgagc	60
catgctagta	tcgatgcgaa	gacgcgccag	gagcgcgcca	tgccggaaga	tttgatccgc	120
ctgtgcgttg	gtattgagga	tgcagatgat	ctgattgacg	atctgacaag	ggcgctggta	180
caagctggtg	ccgtcaacct	aagcttggat	gatttccaag	cgaacacgac	taccaactga	240
tttacgtata	cataatgtac	c				261

<210> 4927

<211> 699

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(699)

<223> n = A,T,C or G

<400> 4927

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cgccctgtcc	gcgtccgacg	caccgattct	ttccagcgaa	gctttccctc	cccacccctc	180
attgaatgtc	aagagtgcgc	ttgatcgtct	ggcctcacga	cagatggctg	aatatgaaac	240
aattgagcgt	gaagtgcgcg	cactgaccaa	ggaagggtga	gaaatcgccg	ccaatggtag	300
tcatgaagcc	aaggttttcc	aggccgttgt	ggctgctatg	gaggggttga	agatcggtga	360
cttgccctggt	attggttgaa	aggacaacgc	caaagtgtgt	cagggaaatg	ctttcaagag	420
gggctggatc	aagaaggatg	gacaattgct	gcgggcaaac	actgactcga	tcgtggacga	480
gacccgtgag	cagttgttga	ctgtcaagaa	gactcagacc	ctggaggacc	agaangggcc	540
tcgtgatttg	aaacgtcgaa	agttggctgc	cttcanaan	ggagctaact	tcaagatctc	600
caagggggccc	aagntcgcca	aggagtttgn	taaagaggag	aacgacccta	ctgctgagat	660
gctcatgaac	ggctcgtgga	agacggctca	acttaagggn			699

<210> 4928

<211> 731

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(731)

<223> n = A,T,C or G

<400> 4928

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tcgaaggatc	gtacatagta	taacagtcac	agctcccgca	tgacagggtg	tcgtcttgga	180
cctgcccctg	ttgcctggcc	atccccctac	ttcatgctgt	ccctgctgtg	ctgtctccct	240
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acgggggtga	cgaggcagag	tcgggtcgtt	ctgagattat	actgtcataa	cttgatctag	360
ataataactag	cgaaaggaca	tgcgtagcat	tgattgttcc	cccttlatatc	tcctgtcaca	420
gaagagggac	ttcggtcccc	tttactaaca	agtttcagag	ctcttgacct	caaattgtgc	480
caagatgtct	actgacaaga	ttaccttcc	caccaactgg	cacgcgacgc	cgtaccacgc	540
tcctctgtac	ctcgctcaga	gcaagggtta	ctncaaggaa	gaaagcctga	aaggtgctct	600
gctggagccc	aatgaccact	ctgatgtcac	tgagataatt	ggtagcggtg	ccgttgacat	660

gggcttncag gccatgantic atactctggc tgncaaggct cggaacttcc ttgtcactcg 720
attgcctttt t 731

<210> 4929
<211> 632
<212> DNA
<213> *Aspergillus oryzae*

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 4929
aaggcgagtt tatcattaac cctgggaact cggaaaaact cgctgggtgcc taccaggagg 60
ctgtcaccat gagcgacgaq caaagggctc tgaattttctc taagttggac aaatatgtca 120
ataaatatac gagggtccttc tggggccagt cattedgtaac ggaattgacg aggtatctca 180
gccaatctgc ggagaaatcc cagtctaaga gggcttccct gaccggcacg taccacgaac 240
aagtgaacgg tgtagaatcc gagggatcgg cttgatcacg caccaaaatg acacctttct 300
atactgtctc ctgtggcgta ccagaagagg aaacacaaat atgtgacgaa tggcttagag 360
ctttttattg acggtctatg agcactggat ggcgtgaaat gttttgagtt tgctttgcat 420
tgggttaagat tctcgggtcac tcatatgaaa tatcataaga gggtaatat gtacttagat 480
tcttgggtcc ggggtcatgga tgggtaaaaa gttgaagtgt tgctgggtgta ctgtacaata 540
agcgttctgt ctaagctctc aactcaacgt gtattaccat ccannanan aannannann 600
aaaaanaaaa aaaattcctg cgggccgggtc aa 632

<210> 4930
<211> 1134
<212> DNA
<213> *Aspergillus oryzae*

<220>
<221> misc_feature
<222> (1)...(1134)
<223> n = A,T,C or G

<400> 4930
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cttagtgcca gcttttcgcc ttttgctgcg cgcacgcagc agatgatcaa agaacagttg 120
gggtcaagccg aagacaagac tcaacttccc gatgaatacc ttgagcttga gaagcgcgtg 180
gagctcttta agttgggttca tcagaagctc cttcaggtga cttcgcagta ctctaacgag 240
gcttaacgact acccaaccaa catccgcgag tcattcaacg acctaggccg gaccatcggt 300
gaaaagggttc agctttctgtc tcaagcttct tcttctgcgg aggccagggc tgccctgact 360
gcccctcctt cggccaagcc ccagccgaag acgttcaacc atgccattgc ccgcgcctct 420
ctgtccggat ccagactct ggccgcagagc tccaccggcg aggacctct ggccactgcc 480
ctggagaagt atgcgctggc ctcggagaaa gtgggtgaag cccgtctgtc tcaggatgga 540
cagatccagt cgcgtttcct cgctgggtgg aacacgaact tcaacaccaa cctgatgttt 600
ggggccaagg cgcgcagaaa cgtcgagaac gcccgcttta tgctggactc ggtcaaggcc 660
agcaagaagg cgccttctag gggtgacctg gacaacctga gcgaggaggc ccgccaggag 720
atcgaacagg ctgaggatga gttcgttagc cagaccgagg aggcctgag cgtcatgaag 780
aatgtttctg aactcctga gcccttgaga aatctggcgg acttgatcgc cgcacagctt 840
gagttccaca agcgggctta tgaaatcctc agcgagctgg ctcctgtggg tgatgggttg 900
caggttgaac aagaggctag ctaccgtaag agcgtgagg gagcttagaa cacccttttg 960
aatctatttc ttctttcact ctttcgttac gttcttcttt tggccaactg ttatgggaac 1020
cgtcgggtta cgttctgaac taaccttcta tgcactgtga agatgtttat atccccaat 1080
ctatggatat gtangggcca tttgtgggtc ctatggatgc gtaaaaaaaaa aaaa 1134

<210> 4931
<211> 685
<212> DNA

<213> Aspergillus oryzae

<400> 4931

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aaggtgaggt	gaggggaagc	aaggaagcag	gccatattca	cccggcggcc	cccaacaatc	120
tctatagttc	actggtggag	cgcacctgcg	aagcttaccg	cgaggcgcat	atgcccaagc	180
gagcttctcc	gtactgctcc	gaaacccttg	acatgaaccc	ttattccctg	ccagcgctgc	240
tctttcagag	tcaattggct	cttgatgaag	agcgttttta	tgacgccata	aacacgctga	300
atacagccaa	agagcatcac	cccgggtcca	gggacgtcca	atcactttta	cagaaggcac	360
atgtcttatt	gaagcgctca	aagcagaggg	actactacaa	agtttttaggt	gtcagccgag	420
atgctgatga	ccggacaatc	aaaagagcct	accgtcagct	tactaagcaa	caccaccctg	480
ataaagctaa	gtcccagggt	gtaacgaaa	aggaagctga	aaagaagatg	gctgctatca	540
atgaagctta	tgaaatcctt	tctgaccccc	aactcaaggc	gcgttacgac	agtgggtgatg	600
accccaaattg	acccgaatct	cacaggggca	acccgtttca	aggaaacccc	attggggccag	660
gaaggcgcca	acactttttc	ttcca				685

<210> 4932

<211> 687

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(687)

<223> n = A,T,C or G

<400> 4932

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ctgaggagca	agcccagaag	ttggtggaac	agtttaagaa	ggagaacccc	ggtttggaac	120
aaatgcccac	cgtcaccgcc	cactacgctg	atgtttccga	ccctaactcc	gtcaacgatg	180
ccctctccga	tattatctcc	aagcacggca	agatcgacaa	cctggtcacc	tccgccggat	240
tcacggaaaa	cttcgatgcc	atctcctacc	ctcacgaccg	tctgcaaaa	ctttggggcg	300
ttaatgtcga	tggaaacatac	cttttcgcca	ccgggtgtcg	caagcacctc	atggagcgca	360
aggttccggg	cagcattgtc	atgattggta	gcattgtctg	tgctatcgac	aacgtgccgc	420
agccccaggc	tccttacaac	gccgccaaag	ccgctgttcg	tcaacttgcc	gcgtacttcg	480
ccggcgaaatg	ggccgggtcac	gacatccggg	tgagctgcat	gagccctcga	tacatgctta	540
ctgccctgac	ccgcaagatt	ttggatgaga	acccccgatt	gcgggacaag	tggtatctcgc	600
tcateccccac	cggcaagatg	ggtactcccc	aggacctgat	gggtcccgtt	acctttctgc	660
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<210> 4933

<211> 537

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(537)

<223> n = A,T,C or G

<400> 4933

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gcaccgagcc	cgatgtcttc	ttcgggtccc	tccagaacag	catgcaatc	ggcaaagccc	180
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cggattccgaa	gggtctcttc	gtcccgccca	ctatctgtca	caacccaccc	gagaactctc	300
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cggacgtgat	cgcacgcgcg	aacgacaccc	agtatggact	tggagcatcg	gtctggacta	420
atgatttccga	gcgcgggtcag	cgaattgtgc	gccagcttga	agccggtaac	gtgtgggtga	480
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<210> 4934
 <211> 631
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4934
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 ctctttgtca agaacctcaa ctacaacgta actgctgagc aactattcga cttttttggc 180
 aagttcggtc ctatcagaca aatacgtcag ggaattgcga acaactcgaa gggcactgca 240
 tttgtagtat acgaagacgt ccacgacgcc aaacaggcat gcgataagct caatggattc 300
 aacttccaga acagatacct cgtcgtacta taccaccagc cagagaaaat gctcaaatcg 360
 aaagaggacc tggcggaaaag gcaagagaat ttggaacgtc ttaaacagca gcacgggtata 420
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 ggttattatc atgggttggt ttgtgggttt ttggcgtttt actcttatgq qttgcgtgac 540
 tcttattcat ggatactact acaagggtgg ccgaagggtt gaatgatata ctctggctat 600
 tgaccagaga aacgatacag gatgggatct t 631

<210> 4935
 <211> 628
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4935
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 agatgttgat caaagttcgc acccttaccg gcaaggagat tgagctggac atcgagcctg 180
 attacaaggt gtcccggata aaggagcgtg tcgaggagaa ggagggtatc ccaccgcttc 240
 agcaacgatt gatcttttgt ggaaaacaaa tggccgatga taaaactgca tcagaatata 300
 acctcgaagg tgggtgcgacg ctacacctcg ttctcgtctc ccgtgggtgga tctctggcct 360
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 atatttgtat cagctgggtg gttctctgca tttgatacct gaagccgcgc cgaatattgt 480
 ggcattgaact cagctcatgt atgttttcgt tcactatacc ctggagatgg aagcgggctg 540
 ttcagtgtcg gctgcaagcg aatggtgttt aatgtcaaga atgcttcctg aatccgcata 600
 gcgtgtctgt gccacatgca tgtcgccc 628

<210> 4936
 <211> 681
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4936
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 atgtgggcca gtagaggttg tgatgctgaa agactgcttc atcagaccat caggcttgta 120
 totgtagcca tccggaccct catctgcgcc gtccccccgg tcatcatcac tccctcgact 180
 ctccgggggt ttgcccgcgc tcgacatggt ggattgcgcc acgcccgttc cccctcgctt 240
 gccctccatt tcacgatatg tcaaaaagct gcccgacacg ctactggcgc tccaggactt 300
 ccggttcgtc catctgagca tccccgcttt ccgttcctcc cacacgaata ccgatccgga 360
 tggaaatnaa tgggggttctt tctgggacaa tctctctgtt tgggggggaa ggaatgcaat 420
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 ctccatccac cttatgggaa ctgttttacg accccgtgac ggttgtaggt tttacctcca 540
 tgggtatggc attatactga cgtactgtat gctttactga attagctgc tgggtctctg 600
 tgatacaata tctcctttcg ggaccacgct gttttcttat attaagggtt cccttaactc 660
 atttcgggat tgcactcgcg c 681

<210> 4937
 <211> 689
 <212> DNA
 <213> *Aspergillus oryzae*

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tgaagccagc gaggatgacg tggtcgaga gctccgtaag aaggttgagt cggagctgcg 180
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cggcaagatt gccgatgaat cgacatggaa gctgagcccc aagccccacca tggctctacat 360
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tgccggagtt actggagtc tcatccggaa ggacctgctg gtctcgtgcc ctcccacgat 600
tcttcgcaag ctccgacttg ccattgctcc cacaatcctt gactactgcy taaccgcaaa 660
gaacaacagt ctctacaaca ctcttcgg 689

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<210> 4938

<211> 642

<212> DNA

<213> *Aspergillus oryzae*

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<400> 4938
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aaccaataag cagattttat cggcttctgg tgtctctgct ctcaaggttc actctactgc 180
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tgttgtaacc gatggcaacg gatcgagatc agtgagtgtt ggttttggtg gtgagatcag 300
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aggatctact ggtgtttggg caattgcctt gtcaggcgat ggccagtatc ttgccggtgt 420
aagccaagat gggcacattc gagtggtggga tttggatgcc aatggcgaac aaatacgtta 480
ctatgagacc aaaggtagct atggtacctg catagacttg tcagcagatg gccgcttcat 540
agctagcggg catgagaatg gcagcggcta tatctttagc acggaaacaa gtcgtatgcc 600
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<210> 4939

<211> 672

<212> DNA

<213> *Aspergillus oryzae*

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<400> 4939
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gttttacatc ttcgaaacct gccagttgca tgacctctct cagcgtgcaa ttgctgcccc 180
cggaaacgat actcgcgccg ttgtaaatta cattgtctcg gagctagatg agaagggtccc 240
cggaagccac ctgaacaagg aagaggaatg ggtgttcaac aacgccggag gtgccatggg 300
tgccatgtat attattcatg ctagcattac agagtactcg gatatttttg aaaccgaaat 360
cggtaacgat actgcaactag ccggtaaatg cagatgatat ctctctaccc cttacggtaa 420
tcaatgtgta tattctcaaa gatgttacaa tccgttatca tacttctgct tatcaatact 480
ccaccttccc catagttcca tcacgataaa cttagggttta tattctataa cacatcgact 540
aaacctagct aagtcaatga cattattcag acttcaagta ccaccatacg acttaattag 600
gattccgata actatgatct gctcatggct tctaacatcg acgctgactc caatadcaaa 660
ctctctctac cg 672

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<210> 4940

<211> 694

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(694)

<223> n = A,T,C or G

<400> 4940

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catcacagta	ccgcaccaat	gaaccactga	aagattttccc	ctggagtggc	aactgtagac	120
ttaaacgccc	acaatggcgt	tcaacaaacg	aacgttttcc	atatattctc	ttcttcttgc	180
ggcaccgtct	ctcacaacag	ccttctactt	accgggtgta	gcacccacat	cgtacgatga	240
agggcaatca	gtgcgctgt	atgtcaacca	tctcaccocg	gggcttgccg	aacaggacga	300
gcaacttcac	tccgtgtttt	cctacgaact	ctaccacccc	gcttttctact	tctgcgcccc	360
agaaaatgga	cctaaatata	tacgtgaatc	gctaggaagc	attttattcg	gggatcgaat	420
tcaatcgta	cccttcgagc	tctttatggg	caagaatgaa	acgtgcaagg	ctgtctgcaa	480
ggaagaggcc	aagttcgatt	cccgtagtgc	caagtttacc	aatcgaggga	tcatacaagg	540
ctacaacttc	aattggctcg	tggatggact	ccccggcgcc	cagatcaacg	tggaatccgt	600
caccgaggcc	aaattctata	acccgggctt	tgcgcctgga	tcattgaacg	acaatggaca	660
gggcggnttt	gattacccac	tttgatatct	ttat			694

<210> 4941

<211> 660

<212> DNA

<213> *Aspergillus oryzae*

<400> 4941

gtactttctg	ttaatcattc	tttttttgtt	tttgttttat	tcctttctta	tcaaaatttg	60
cattctacgt	cttctgggaa	gacacatccg	ccaagatgcc	gattatgcaa	cctagtaatc	120
agattaaatt	caccaatgta	tcagtgggtga	ggttgaaaaa	agggaaaaaa	cgattcgaac	180
tgccttgcta	caagaacaaa	ctcttagaat	accgctccgg	cgccgaaaaa	gatcttgaca	240
atgtcctaca	agtgcctacc	atcttctctt	ccgtttcgaa	agcaciaaac	ggcccgtctg	300
cggagatagc	caaagcggtc	ggtgccaaca	cttccgcaga	cgagattcga	caggagatct	360
taccgaaagg	tgaaatgcaa	gttggtgaac	gtgaacccaa	ggagaacatc	gagcgaagtg	420
agaaagagggt	gggtgggtatt	gtgattcggc	aagcttggtg	acccgaccac	taagcgaggc	480
taccgcgccg	ggatgaactc	taaagcgggtg	gaacaattaa	ctccgcgaga	ggacaaaagcc	540
cccagcgcca	agtcaaaaca	acaatgggaa	accaaggggg	cctggagata	agatttgccc	600
ggggcaaaact	cggaaagccc	tcttggactg	gtgttacacc	ccaaaaaggg	gggaaaaaac	660

<210> 4942

<211> 715

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(715)

<223> n = A,T,C or G

<400> 4942

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cccagccctt	gaggcagagc	ttccgcaagt	actctacgga	ggcccccaag	gccaaagtct	120
tggctcctat	ctacactgct	gtcggcctta	ccggtctcag	tgtgggcttg	taccgctact	180
actacggcgc	tggcgctacc	gccgaggctc	ccgttgagcg	cgccaagggt	ttcactgggtg	240
gtgaccaggg	atgggtggac	ctgaagctgt	cggaaattga	ggctctcagc	cacaaacacca	300
agagaactgcg	cttcgaattt	gaggacaagg	aagccgtctc	cggtgtcact	attgcttctg	360
ctctcttgac	caagttcaag	cccgttggcg	ccgagaaggc	cgctctccgt	ccttacaccc	420
ccaccagcga	tgaagaccag	cctggctacc	tgcaccttgt	cgtaagggtc	tacccccaacg	480
gacccatgta	tgagcacctg	cacagcatga	acgtcgacca	gcgtctttcc	ttcaagggcc	540
ctctccccc	gtaccagtg	gagactaaca	aqcatgagca	cattgccttg	attgcgggtg	600
gtacgggtat	cactcccatg	taccaggtc	atccgcagaa	tcttcaagaa	cccgcagcag	660
aagaccaagg	ttacccttgt	gtacgggtac	gtcaccgagg	atgacatcct	netgg	715

<210> 4943

<211> 689

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(689)

<223> n = A,T,C or G

<400> 4943

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tttccactcg	tccagagaag	taccttggag	aacttgaaac	ttggaactat	gccgaagagc	120
agcttaaggc	ggccatgact	aagttcaagg	gcatgactg	gaccattgat	gagggtgacg	180
gtgccttcta	cggacctaag	atcgacatca	ctatcgctga	cgctctcaag	cgagagttcc	240
agtgtgccac	catccagctt	gattaccagg	ctcccatcaa	cttcaagctt	gagtacatga	300
gnaacgaaaa	ggccgacaag	agccaagcgg	ctgccgagtc	ggccgagggc	gagaacaagt	360
ctagcgagcc	tggcccttgg	cgtgctcgtc	cagtcctcat	ccacagagct	atcatcggtg	420
gctttgagcg	gtttctggga	atcttgactg	agcactttgg	cggcaagtgg	cctttctgga	480
tcagccctcg	ccagatcctt	attgttctcg	tcctgctgct	tgtgaacgac	tacgtggaag	540
agctgcagac	tatcttgccg	ggtgatnagc	ctgacgtcga	cattgacatc	aacggaaata	600
ccatgcagaa	gaagattcgt	actggacagc	ttgccacagta	ccacttcatt	ttcgtcgtcc	660
gtgctcaaga	gaaaggaagc	tcgcactgg				689

<210> 4944

<211> 658

<212> DNA

<213> *Aspergillus oryzae*

<400> 4944

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cgccgttgag	gcccgcagct	acaagtcctt	gggccccgag	accaaagagc	agtaccgtac	120
caagatccgc	agttttattc	agaacctcaa	gaacaagtgc	aatccatctc	tccgcattcc	180
tgtcctcagc	aacgacgtga	cccccgatca	gttcgtgcgc	atgtcacacg	acgagctacg	240
ctccgacgaa	cagcgcgaga	aggacgcaaa	gatccagaag	gagaacatgg	acaaggcaat	300
ggtcgccccaa	gcagagcgca	gtatcagtac	cagtctgcag	tgcggcaagt	gcggacaacg	360
caaagtcaca	tacaccgagg	cccagacacg	cagtgcagac	gaaccgatga	cctttgttctg	420
tactttgtcta	aactgcggaa	agtcctggaa	gcagtaactt	cctttttttt	ttcgatcctt	480
actcttctat	ttctctatct	ttctccaatc	tcttgtccca	ttcatctttc	caccctatct	540
cacttttacc	ttctatagtt	gttttatcga	gtctgtccaa	tttacgctac	ggcgtggagt	600
tggttgctta	aaagaggctg	tcaatctcgg	ggggaagcag	gttgagcccc	ccgagttt	658

<210> 4945

<211> 673

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(673)

<223> n = A,T,C or G

<400> 4945

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tcaacatggg	ctcagtaggc	aaattctcgg	actctcagga	gtaccagaag	atcttccact	180
ggggggaaaac	acaaaggac	ggtagaatcc	cctcctttgc	cacacgccgg	aatgaccctt	240
atgagtataca	agctggattt	ggtaatacat	ttatctcaga	ggctgtgccc	ggaactatct	300
cccacggaca	gaatagccct	cgtaatgtgc	gctttgggct	gtacgcagag	caagtaacag	360
ccaactgcttt	tgtggccccg	agacatgcga	acaagaaaagc	gtggctctac	cgtgctcgtc	420
cggcggttgc	tcctcangga	ttcaaaaacc	ttccagacaa	ccccgacaca	gaggccactt	480
tcttgccccct	qaacccgcgg	gttcacgtct	ccccaaccca	gctggcatgg	catccattcg	540

acatccccctc	caacgaaccg	gtagacttcg	tcgctgggtct	gaagaccgtc	gctggaatct	600
gagacccgac	tctccgtgag	ggacttgcaa	ctcacgtcta	cactgcaaac	acaagcatga	660
cccanaaagc	ctt					673

<210> 4946
 <211> 528
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4946						
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cttaaaagtt	agccaaattg	acaacccatc	agcaacgtca	tactggcgac	aagcgtgact	120
ctggcgatat	atgtcagaag	aggtttgccc	agcgcggcaa	tgtccgtgcc	cataaaatca	180
cacaccatca	tgccaagcca	ttcacctgtc	tgttggaaga	ctgtgggaaa	caatttactc	240
agctgggcaa	tctcaagtct	caccagaata	agtgtcacgc	aacaacattg	cgggattgga	300
cattgaaatt	ctcccaagta	acaatagggt	accccttgag	cccgcaagat	aqaaagttgt	360
gggaataactt	tgccactctt	tacaagaata	gcgcggaggg	actgaaaggt	cgtggaaagg	420
atcgtaggat	ctgcctacc	tctaggtcag	gacctgggaa	acgacaccag	accctaggca	480
acaatgacga	caagctgcaa	cgccctatct	atgaggaata	cggtttac		528

<210> 4947
 <211> 680
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4947						
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ggcggtttcg	tcgtcgggga	gtcagatggt	gaggcaaggt	tgttggggaa	agctaaggga	180
gtcgttgca	gtgtcccttt	cgtcgatgaa	gttttcgtc	agttaggatg	cacgtgagtc	240
aattccacat	gacgttggac	ctggcctgtg	ccatgcgatc	gatatctaaa	tgacaggaaa	300
gagtggaatg	gcacgtccaa	gaaggcgagc	ccattgaacc	tatcaaaccat	tgcgccacag	360
tgcgcgggcc	tatccgcaag	atcctcctcg	gagaacgtgt	cgccctcaat	atcctcgccc	420
ggtgttccgg	tatcgcaaca	aaaagcgctt	cgctagtagc	tgctctccgt	gcccacggat	480
ggagtggaa	gcttgcttgc	accogtaaaa	ccacgcctgg	attccgcgtg	gtcgagaaat	540
atggaaatct	tattggaggc	gccgaatcac	accgccatga	cctcagttcg	ataacaatgc	600
tgaaagataa	ccacgttttg	gcttggtgca	ataaccgtgt	ggcttatgat	gtgggcgggt	660
cccggtttga	accgaatcct					680

<210> 4948
 <211> 1918
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4948						
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cttgagcgca	gaccctactt	tacgtgactc	gtacaacgaa	gtgctcacgt	ccaacgatgt	120
tgcggtttat	ggtggacttt	gcgcgcttgc	atccatggat	cgcaatgaac	tccagcggcg	180
cattctagac	aatagttcgt	tccgcaactt	cctcgagcta	gaaccccata	tccgcggggc	240
gattttcttt	ttctgcaatt	caaaatttgc	gccaatgata	gatatactgg	agttctacca	300
aacgcactac	ctcctagacg	tccattttga	acgtcacgtc	agcactctct	acactcgcct	360
ccgaacaaag	tctatccagc	agtatctggt	tcccttcagc	cgtgtcaagc	ttgacactct	420
gtccaaagatc	ttcgtctccg	gagctaccag	ggggcaagct	cagcctatcc	actccaagtc	480
tccgttttga	caagaattga	tccgtctcat	ccaagatggt	acccctggact	ctcgtattga	540
cttggaaaaag	aggttactgg	tatcaaatca	taactgataaaa	cggaacagaag	tgccaggaagc	600
cgtgttgagg	agtttatcga	atttatattga	tgaggcacat	ataagagtae	tccggaactaa	660
tatttatccgt	gcaggactgg	aagtcggccc	attaggcgat	gagcagcgca	agcaggggca	720
tgggcggaag	cattcacgac	cgccaacggg	gatgttccag	tgatcaagaa	gtgagagagg	780
atattacgga	gatagccagc	tatgaactga	attatgacta	gagacacggg	agaaaaatcaa	840
acagtttcgg	aacattgtgt	ttttttcggg	cgaacctgcc	ttccgtgcaa	gtggtaaaact	900

gagatccggt	ttactgtcct	gtttatgtca	atctaggaat	gtgtggtgta	agtgtacttt	960
gaagcagatg	cgaaaaggta	aaaagaaaac	gggaatgaac	attctgtaaa	taagaattta	1020
agtaacctcc	aaataatacg	ctttacctcg	agcgcttgac	aagataacct	acaatgcccc	1080
ccaggagcaa	tgcaccattg	aatccagcca	tgatgtagaa	cggcgcacct	gaagacaaaa	1140
catcgaagag	aagaccacct	aacttagtaa	ggaggaggat	tctgcgccg	caaaaaaagg	1200
agtatacgcc	agctatcgac	cccttcaaat	gggacaactg	ttgctgtcta	tggttccttg	1260
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gactgatacc	caggatgccc	ttgctcaata	ccgccaggct	gcagacaatc	gccccgattt	1440
ggctgatccc	gattaacctc	attatggcga	gtacactcgg	gttcctgctc	tttctgctga	1500
aaatgggtgt	gtggagaaat	gtgaacgtgt	aatatatgat	gtcaccagat	atacaagcgc	1560
gtaggagaga	cacatagtg	ccgggagagt	tatctgacca	gtgtccgaac	gcttggtgcaa	1620
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ggccaaaatg	gttgaatatt	tcgggcccct	tggttcggct	gttaatgcaa	gggccaggga	1740
attgattata	gtggttgggc	aaaaggggga	ttaattatgg	aatccccaat	gattaggcgc	1800
gtggtaaaaa	tcttcgcatg	taqctataga	ggatgtaact	gtggcaggat	cttagaacta	1860
tagctgcgcc	aaattgggtc	agatacggga	ggtgtgattt	gcgcgcaaca	gtacatgg	1918

<210> 4949

<211> 657

<212> DNA

<213> *Aspergillus oryzae*

<400> 4949

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cgatggcggc	tggatcaacc	acaactacat	ccagctagct	tatcagctcg	ccgactccgt	120
caccggaatg	gcatactctt	tcttcggaag	ctgcattatc	ctcttcacat	tcaacctgat	180
tcttgccctc	agcttgccgtg	ccccggaaga	agacgagatc	atgggcattg	acgacgccga	240
aattggcgag	tttgcttatg	actacgtcga	gattacccgc	gacgtgatca	gtgccgccaa	300
cagtgaagag	ggcgagaatg	cttccaagcg	tagcttgact	ccaaccggca	acgaaacgac	360
catagaggcc	aaggcttagc	cgattacttg	tctatgattt	ggccttcaaa	tctctttctg	420
caacttttat	ttctttatat	taatcatcgt	accatcgtgg	aaggctcgcat	ggtagctgtc	480
accttgatag	ctcgcgacga	tacgtttgta	tatacttatg	cacctactca	atcttttcaa	540
gattccttgt	tgcaatttca	tacaatttca	cttggccatt	ggaaaacaga	tatggtacta	600
ctgttttgtc	cgagctttta	tcgacaagct	cacttctgtg	gacctcattt	ttacctt	657

<210> 4950

<211> 709

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(709)

<223> n = A,T,C or G

<400> 4950

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ccaattgag	caacaaqccc	caaggggggt	tttttggaag	ccataaatte	gaaagctcat	120
acccggagtc	tacccacttc	ccaatctaca	ctctatactc	ttctcaatac	taccttgata	180
acgcacacgt	aaccacaaat	atgcaaacc	tctccattct	cactacccctc	ctgttgggga	240
cctctccctc	cgctctcgcc	aatcccacca	agcccgtttg	cggcacctgc	aacctctgt	300
cgggccccaa	caactgcgac	atcaccgact	cgtgcatcaa	caagggsacc	cggttccatt	360
ggcctgtca	cgcgggctac	aaggcgctga	aggacaacaa	tgatatccac	aagcagttcc	420
ggttgaacat	gcccattatc	cagttctctg	tctttactcc	ggagtcgact	gtgtgtaata	480
cgtctgcga	taaccogtac	ggagcgagcc	cgaatttggt	tgccgaggtg	ccgattccaga	540
atangtgcga	gttttangag	atgcatcaat	agattatggt	tggtgggaat	tggtgactat	600
gcaagtagat	aatgggtggt	tgaaggtggt	gggagcgtac	ttngtcngta	ctttgatatg	660
catggcttgt	tgcaagggtta	atctacattc	cttttgtag	cttaacgcn		709

<210> 4951
 <211> 673
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4951
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 gatgccccag cccgacaaga tcaaggagat gctgtctcag cagatccaag aagagggcct 180
 gagaacttac cttttcacat atgtctccct ctacgacagt ctctctatct ccaccttgct 240
 aaacatgttc gagctgtccg agaagaagat tgccgccatc atcagccgta tgatctctca 300
 tgaggagctc gccgctgctc ttgaccaggt caacgatgcc attgttttcc gcaagggtgt 360
 cgagctgtcg cgtctccagt cccaggttgt tactctcgcc gacaagtcga tgaaccttct 420
 ggaggccaac gagaagactc tcgagcagcg cactcaaggc atggccaacg ctttccagcg 480
 cgatcagggc gccggcgccc gtggaggccg tggccctgga cgtggaggcc aagcccgtgg 540
 tggacccaga ctgcttggcg gccaaacaagg tggctggccc cgtggagcag aattcagcgg 600
 tgggtgattg ggaggagcga tcaggcataa aattgtttgt aatggcctcc cttttgtttt 660
 catgggtcta aag 673

<210> 4952
 <211> 628
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 4952
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 gagtgctgat accaagagca aatggacgcc gaaatcactc attcgacatg ctgagcgtcc 180
 ccatagtcgc ataccgggag ttcgcaagat cctttttcct gctcttgcta tcatattatt 240
 cattgcattt atcaatgtag cggataggat tgcggttgct gttgttctgc gttactatcc 300
 gtctctgggc tccaatgccg tctctcgcta taccttangg ttgaggcatg cctttgatgc 360
 tgatcatatc tcagctatcg atttgatgac gcgtaggctg ctggccacgg gccagaagcc 420
 cgtaaccgtg ggaacattct tctcccttgg tcaactcaacc attgtcatcg tcacatctat 480
 cgttgtggct gccactgcag ccgcgctgtc atcccgcttt gacagcttca gtactgtcg 540
 cggtatcatt ggcacatctg tcagtgcgcg ttttctcctc ttgttaggtc tcatgaactt 600
 ctacatcctg tataagctgt acaagcaa 628

<210> 4953
 <211> 714
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc feature
 <222> (1)...(714)
 <223> n = A,T,C or G

<400> 4953
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 aagcgaatca tccgatgacg ctaactgtcg tgaactggcg cgtggcgata aagcggaaqa 180
 agaggccgc ctactatcac tgtttgctga tcatccagat gcacctctct cgatacatcg 240
 atttgtcaaa tatggtgccg agtcatgcgg taaacacctt ggggagtggg ttggaccatc 300
 ggcaaccgct cgatgtatag aggctctctc agcacaatgt ggaaatatag caccagaggt 360
 atatgtcaca naagatactt cagacgtcta cgaagatagc ttctccgtg tggtctcgag 420

tggtctcgggc	agtattcaac	ccacactgat	acttctaggg	actagactgg	gaattgacaa	480
cgtcacgcca	gtgtactggg	acggactgaa	ggcggttttg	caattgccac	agtcggtagg	540
catcgagga	ggtcgtcctt	ccgcgtctca	ctacttcata	ggcacgcaag	gcccgcattt	600
cttctatctt	gatccccata	ccacgcgccc	cgcagtncca	tacagcatcg	atggtagact	660
cctctccaaa	acgggaatca	gtacctatca	cactcgccga	cttagacgca	ttca	714

<210> 4954

<211> 1395

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1395)

<223> n = A,T,C or G

<400> 4954

atatactcgt	ccgaattcgg	cacgagggac	tgctgaagac	tgtacctata	caccctttca	60
gcatatttcc	catcatctac	tccttctcaa	taacatacat	ccagcataat	acatcgccctc	120
acatcatggc	tccacataac	gttcgggtggg	gtatcatggc	caccggctgg	attgcaagtg	180
tcttcgtaag	ggacctcttg	aaagacccta	atgtccgagg	tgcactctgat	gtctcccaca	240
cagttgttgc	agttgcatca	tcttctctca	agtcctctgc	agagggtttt	atctcggata	300
cgggcattcc	tgctccctgc	gctgcctacg	agtcctatga	ggacctcgtg	gccgacccaa	360
acgtagacgt	cgtatacgtt	gcaacgcctc	actcgcacca	cttccaaaac	gtcatgcttg	420
cttttgaggc	gggtaaacat	gtcctgtgtg	aaaaagcttt	tactgtcaat	gcggcccagg	480
caaagatcct	ctgtgagaca	gcgaaaatca	aaaatctctt	tttgatggaa	gccgtctgga	540
ctcggtaact	cccacttagc	atacagatcc	gtcgggttaat	tcagaatggc	actcttggtg	600
aggtactgcg	tgtgctggcc	gataatagct	tcggagatga	catggaggaa	aaatggggta	660
tcaagcatcg	gatgggttaat	aaggatctgg	ctggcggggc	gttgcttgat	ttgggtattt	720
actccttgac	ctgggtggtt	caggetctat	atcacactct	tcctcgcgag	tcgcgcaggg	780
caccctcagc	aatctcatcg	catatgtccc	tttaccacct	cactggtgct	gatgaggcaa	840
cctccattct	ccttaccttc	cccaccagca	ctcctgctca	ccttccctcac	ctgggtgaat	900
cgcaggcggt	ggctatgaca	catctccgag	tgctcgacca	tgccgacgac	aaaccctgcc	960
agccttcggg	ccgcattcag	ggcaccaaag	gtgagatcca	ggtatacggc	cctgcgttcc	1020
gaccggagaa	gtaccgggtt	gttccgaagg	gtgaggggga	agtcaaagag	gtggaatggt	1080
cattccctgg	tgatggaaag	ggcatgtact	gggaggcgga	cgaggctcgca	cgggtgcttgc	1140
gggatggtaa	gctngaaagt	gatagcatgc	catgggagga	gagcatcatc	attatggagg	1200
tcctggatga	ggtcaggcgt	caggggtggat	tgggttatcc	tanaaacatt	ggaatccaca	1260
gtctacccta	catcgttgta	agaggcggnc	tgtatcgtgt	ggtgaacaat	cattgctttg	1320
tcacaaacgt	gtaaatatct	ttagtaccaa	cgatcataca	aataacatgt	actagaggta	1380
aattagaaga	gaata					1395

<210> 4955

<211> 1045

<212> DNA

<213> *Aspergillus oryzae*

<400> 4955

tatcgccac	aatgctgaga	gtatctctta	cccaacagtc	ttatatgaag	atgtcatgtc	60
tagtgagag	ggcttgcttg	aatgggttca	aaaaalittc	ctccacgggt	ctgtcttctg	120
caagggtgta	cccggttgacc	cggaatcaac	ccaaaccctc	ctggagagaa	ttgcttttat	180
tagacatact	cactatgggtg	gcttttggga	ttttacggcc	gatttaacgt	tcaaggatac	240
tgcgtatacc	actgagtttc	ttgggtgcaca	tacagataac	acgtatttca	ctgaccgggc	300
acggtctcaa	ctgttttcatt	tattgtcaca	taccgacggg	gatggaggcg	cgagcttact	360
tgtcgatggc	ttttcggttg	cagaaqctct	gcgagaagag	aatccagaga	actaccaatt	420
gtcagcagca	acgccacagc	cgttccattc	aagcggcaat	gaaaatacct	gcatccagcc	480
tgcagagcaa	atgcccattt	tcaggatcca	cccgacgttc	aattacctgt	accaaatccg	540
ctggaacaac	tatgatcggg	cggctaaaaa	ggattggagc	ttggaacagc	agaatagatg	600
gtacaatgca	gcccggcact	tcaacgatat	cgtcacacgt	gagaaaatgc	agatatggac	660
ccagctagag	ccagggaacag	cacttatctt	cgacaactgg	aggatgcttc	atggctcgtc	720

cgaattcacc	ggaaagcgga	ggatgtgtgg	tggatatatt	aacagcgatg	acttcgtttc	780
gcgttatcgc	ctcttgaggt	tcggcagaga	gaagatcctg	aacaacatag	gtaacttttc	840
gagaagtatg	gacaacccta	acttccttctg	tagggggaat	cggatatagg	acgctttgaa	900
actttgatct	aagctctgcc	ggaaatgggc	attgaaatgg	gaagttgcct	ttttttgggg	960
ctaaggcgat	ggttctttga	aggtatgtta	tatccttggt	taaacgaaaa	aaaaccggtg	1020
gggttttttt	ctaaactggg	ccctt				1045

<210> 4956

<211> 621

<212> DNA

<213> *Aspergillus oryzae*

<400> 4956

aagggtgcat	ttcccttcgc	cgattctccc	tgaccaccgg	aaagcataag	ctggtggaag	60
cagagaagca	gcgcgatggc	gaacaaaacc	acacatctac	taacctgyag	agtggagata	120
aaagtgcata	cccttcactca	aaactggaca	cgaacccctc	gagcatagta	agcaqcaatg	180
ggaactacct	cattgccgag	ggtggacggg	agattctcga	cggcagcggc	ggtgctgcag	240
tggtctgtat	cggtcacaac	aactcccgcg	tcaataatgc	cataatgcgt	cagltgcaaa	300
gcttcagcta	tatctacgct	ccattcttca	cgagtaaggc	gtcggaaaag	ttggccacgt	360
tggtatccga	atcgacacaa	aatcaactat	ctaaagcttt	tattgtcagc	tctggtaccg	420
aagcgattga	ggcggcatta	aaaatggcac	gtcaataact	tctcgaacta	ccaaaccggt	480
aaccgtgcag	aaccgcattt	atcgcccgct	agcagagcta	tcatgggaac	actcttggtg	540
ccctttcatt	gggaagacat	gttgggcgct	gggcacctta	tgcaccaata	ctgactacca	600
atgtttccca	cgggttcgca	t				621

<210> 4957

<211> 724

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(724)

<223> n = A,T,C or G

<400> 4957

gtgcaaggaa	taacgttcag	gaagtctgcg	gtatctttgc	ccgatcgtcg	gacaacgagc	60
tccgcgccat	aaaccaggcg	ttcagcgccc	gctacaatgc	ctcgctagag	aaacatatcg	120
acaaggagtt	ttcgggacat	atgaaagatg	ctctgcttca	gatgctgcgt	ggcgcattgg	180
atccagccat	cggggatgcc	gagttattgg	aggactgcgt	taagggtatg	ggcactaagg	240
acgtcaaatt	ggtgagccgc	gttggttagga	tacactggaa	tagagcgcac	aaggaccagg	300
tgaagcgtgc	ttaccgtcat	cggatatggaa	aggacctgat	cgagcggggt	cgcggtgaga	360
caagtgggtga	ttaccagagg	ttgatggtcg	ctctactgga	gtaaaccctt	tcttttgctt	420
tatgattgta	tgaattaatg	gtacgttggg	tacggtaaag	gtcatggcca	gggctgggtg	480
gttttctggt	tcctttacat	gcgtcaactt	tctattattg	tttaataagt	gtaactcttg	540
agtgatacca	ccagatgcac	gttctcaatg	ttttaagcgg	gttggttcng	tttactatg	600
ctccaactag	ttaactgatg	aattatcttc	gcataattgc	ttgaggaaaa	ataaaaaata	660
aaaaaaattc	ctgcgggcgc	tctagccttg	ctttaaaggg	ccgcatttgt	aatttgttat	720
gtca						724

<210> 4958

<211> 709

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(709)

<223> n = A,T,C or G

```

<400> 4958
caatctgata cttcattagt tttcaatddd tactgtttgg tgctgctatc atggattccc 60
agagcctddd cgacgtcaag ggcaaagtgg tgctgggcac cggaggagcc aagggaattg 120
gtcgcgatgat ctctgaagga tacgtagcga acggtgccac tggtttacatc tcgtctcgtg 180
atgccaaaggc ctgtgagaaa gccgtaaaac agctcaatgc gctcggcaaa ggaaaggctc 240
acgccatccc cgccgatttt taaaaagagg aggatgttaa gaaattagct gaggagcttg 300
gaaagcgtga gagcaagctg catgttcttg tgaacaactc cggatcgaac tggggtgctc 360
cttacgatga atantcctcc tctgcttgaa ctanggttct cactctgaac ctncaccgag 420
tcttcgatct gacgaggctt tgtaccccc tgctggagaa ggcagctact tcgggcgacc 480
cagcccgcat catcaacatc ggtagcatcg atggtctttg agtcccagca ctttgagacg 540
ttngcttata gtgcttgtaa gggccggctt gcatcatttt gagccgaatt ctttgcaaac 600
caaccttggt aagaagaaac ataacatcaa aattcacttg cttttgccgg cccctttgag 660
aagtaagaat gaatgcctgg tacccttggg aacatatatc gggagcaaa 709

```

<210> 4959

<211> 644

<212> DNA

<213> *Aspergillus oryzae*

```

<400> 4959
gtaaagagaa aaatdddgca aaagaaagac aaaaggggta tgcagtgtac aagaaaaggaa 60
aaaaccgagg caatgaaata agtcaaagtc acttgactag agaacgggtc aggacgttta 120
gtatggcgag ttgacaatat catctcgtcc caaacggctg cccaccgcg tgctccgacg 180
gcttgggggtg acgggggggc ctgcaatact ttccgcgagtg ggcttctgga gagctctctt 240
tgcgaccatg ttgacctcgt tcggcaaaagc gacaatgacg ttcttgctcag aaccaaattcg 300
gaagttgtct gccatgacct ctccagagta ccgcttgatc gtgtaaggat ccttgcgctc 360
agcaagcacc ttcttcatgc tccatgtgac gatgaacgga cccgttgccg ggatgatcga 420
cgtctttttg gaatcaaccc ccgtattaaa acgagcttgg gtgaaagcga gaggggtctt 480
gggttcatgc cggaactggg caacatgtgc ttgctggaga acaaatacga cgaagttggg 540
gcgctggaat ctttggcgaa cgaacgcttg aaaccaagct tggcttctgt cttgccttcc 600
tttttgagcg aagtcattga aaaaaaaggaa gttccacatt gtcc 644

```

<210> 4960

<211> 665

<212> DNA

<213> *Aspergillus oryzae*

```

<400> 4960
caccgcaaga ccacacacac gatcgagccc tccaagcagc atatgatgct gctgaaaaga 60
ttggaaactt ttccctgttt atatcgtttg actacctttc cggaggggccc tggccggcag 120
atcgagttat cactatcgtc aattcgtata agaatcgaaa ggccgagttc cactacgagg 180
ajaagccact ggtatcgaca tttgaagggtg tcggcaacgc tggtgactgg ccgaatatca 240
aggccgctac aggttggtta tttatccctt gctggacaaq tatgggacca gctgggtatac 300
gcaatgtttt aaatgatatc gatggtgctt ttagctggga tgcttgacca gttggtgcag 360
aagacaagaa ggtgacaaaac gacctggaat ggatgaaagc tctctcaggt aaacctatata 420
tgatgcccgt cgtcccttgg ttctacacga acctccctca atggggaaag aattggctct 480
ggcgtggaga tgatttatgg cactatcgct ggaagcaggt cattgaattg caaccgctc 540
ttgtccagat cttgagttgc gacgactatg gagagacgca ttacatcgga ccagtctaag 600
aggctggagt gcctgaacgg gcttcgcgat atatcgcgaa tcaacctcac gatgcatggc 660
gact 665

```

<210> 4961

<211> 678

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(678)

<223> n = A,T,C or G

```

<400> 4961
gggatgatta cgtttacccc ttttgggaga atttcatagg tgaaaccaga acacgtgaac      60
tgtggtggcg tgggaatacct gctcgaagca gaggaacaac ctggcagcgc gccatcggca      120
atgagctgtc tttgtccgag gaaacgtaca agaaggcatt gcagcgcgcc aaagacgtac      180
ggtcaagggc cgatggcgac gctggagaga gtaacaaacg aatgcgagag tggtttgagg      240
caattgaagc cgacgcattc aaagcattcc cagatttgaa actgttccag gtaggcggcc      300
ctttacggga atccttgatt gacgtattgg aggcatactc tatgtatcgg agtgacgtgg      360
gctatatcac tgggtcttcac acaattgctg ctctcctcgt ccttcaattc ccatcacctt      420
catctgcttt cctcgcgaatg gccaatgctc tcaatcgatc tttgcctgtt gctttcctca      480
ccctcgaccg gggggcgatc ggtcgtactt acacactaac gactgcgacc cttcgttata      540
aattccctcg cctagccact cacttaccg agacgcttca gctctcggat gaagagatcc      600
tggagccaat gttccgctcc cttctcacia acggtctaga cctcgagcgt atancgcgct      660
ctgggactgc ttggtatt

```

<210> 1962

<211> 664

<212> DNA

<213> *Aspergillus oryzae*

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<400> 4962
gtctcactac ccacctctgc ggtctctccc tctgcagctt tccatcgtg gtcattatat      60
cttgacctta cgggtccgac tcataatggt ctctcgtgct gttcgcccg ccgtcagggc      120
cgttagtgct gttgtcacc gcactgctcc tcccaatgcc gccaaactcg cgactttgcg      180
tgaaatcgag ggccgtctca agtccattaa gaacattgaa aagatcacca acactatgaa      240
ggtcatcgct tctaccgctc ttaccgcgc tcagaaggcc atggatgagt ctgcaccta      300
cggtcagacc tccaacaccg ttttcgagaa ggccgagacc aagcccctcg aggacaagaa      360
gactttgctc gtcgtcgcca gctccgacaa gggctcttgc ggtggtatcc actccggtct      420
gagcaaggct actcgccgta tcttcagga acacgccgac gccgacatcg tggttcttgg      480
tgagaaggcc aaggctcagc tctccagAAC caaccccaac gctatcgtcc tgagcttcgc      540
caacgtctgc aaggacattc ccacctctgc tgatgccag gccgttgccg accagattgc      600
tctgcttgcc gccgactacg ccagcgtcaa gatcatctac aacaaagtgg tttaacgccc      660
aaag

```

<210> 4963

<211> 522

<212> DNA

<213> *Aspergillus oryzae*

```

<400> 4963
ttcgcgcccg caggaatttt tttttttttt ttttactcat caatttcggt tcaccaatat      60
cctatctcgg ttcacctaaa tatacatatg caggttttgg ctggtcaatt tttgtccaga      120
cgtatgoggg tataaactca tcgcggttgt cgtttttcaa atcagaaaaa aaatcaaaag      180
aaatgtcaaa tgccgtacac aggccaaagc catggcatca ctctaataca cccggtccaa      240
cttctggaca accatggcac tagcggcgcc accaccattg caaatcgcg ccacaccata      300
ttcaccaggc tgcagctggt ggagaagagt gaccaggata cgggagcctg agcttcgag      360
tgcatgtccc agagagatag ctctcccag agggttgaca cgggcgttct gcaatccaag      420
aatcttcttg gttggtttga taaccggggc aaatggctta ttttaacttc aaaccgcaac      480
ctgactcttg tgataaccagc tcgctcgagg gycatgggaa cc

```

<210> 4964

<211> 973

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(973)

<223> n = A,T,C or G

```

<400> 4964
ttcttcgttc ctcacccttc aagcaggcca tctccatcag cgcaccattc aactttttatc 60
gctgatcgac ttttagtctc gtcaagatgg ttctcgcggt cgacccttctc aaccctacgc 120
ctcaggccga ggcccgcaag cacaagctca agcaacttgt gcttctccc cgctccttct 180
tcatggacgt caagtgcgcc ggctgcttca ccatcaccac cgtttttctcc cagcccaga 240
ccgtcgtcgt ctgcgccggt tgctcgaccg tctcttgcca gccacccggt ggcaaggccc 300
gtctcactga gggctgctct ttccgcagaa agtagatgtc acgatacacc aggctggagc 360
gatgatgaaa gacatgtggc gtttttcgat ggattaatct aatctttttc ttgagcaaaa 420
ctcagataga agatggagtc ctgcgccctc tgcgagaaaa cccctcaaaa aatacaaagg 480
ttcgaagggg aatgagaagt acccaagcag ggcagccat ttctattacc aagtttccac 540
caaaaagcgt acatggaggg agttccggat atctggcaat gatcgggtcca tactatatca 600
acctttgcct cttttttgac tactatcgaa acggtgtttg cttttatact tgttttatgc 660
tggggggatcc gtacgacaat atcttctccc gacacctctc ccgtcatgga aggatatgac 720
gggtggatcc caccatgggg catatctgca tgagcgttgc cgtttgattc acgtattcgg 780
atgtcatggg aatgagtgtg gatccctccc tatgacgaag atgaataact ggttgctggc 840
attgctagga cggcggtgtg gactacgggt gaaacttggg tccatgcagg cagatagcgc 900
tggtttttgg caggatgtag aaatacgggt ctgttgtlaag ctagcctatc tgaccaggac 960
ngtcaagcgy tgt 973

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```

<210> 4965
<211> 634
<212> DNA
<213> Aspergillus oryzae

```

```

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

```

```

<400> 4965
ccgtcatcag atatatcttc tcaagaaacta cctcccattcc ctccggtttcg gaacacttaa 60
tccattccac ttgataccct ctatcatttaa ctccgaaacc gtcaaaactca gtcacaacat 120
ccgtcatcat ggctgacgga gtattgaagg cggagaagga cttctccaag gatgctgaca 180
agctgattcc cgaggccgag cagatcgcca agaccgatgc ccaacgcgcg attgacagtc 240
tgctcggact ggagaaacaa gcgagacagg cctctgacct cccaactaca tccgccttc 300
tcgtcacgat tgtaaccctt agcaaaaaact ccggagactg gaaccttctc aacgaccaag 360
tctccttct ctccaagaag catggccagc ttaaacaagc cattacaaag atggtgcang 420
tggtgatggg attcctggat gagacaccca acttgggagt tgaagttgtc tgtcatccag 480
acccttcgga ctgtgactga tggaaagatc ttgtgcgaag tcgaaagacc ccgcgtcacc 540
cgcattcctg tcaacatcaa gaaaatctca agggcgatct caatgccgcg cggatgatt 600
ctctcgggaa ctgcaagttg agacattcgg aatc 634

```

```

<210> 4966
<211> 688
<212> DNA
<213> Aspergillus oryzae

```

```

<400> 4966
ctttgataga attctccact cctttctttc ttaaccgaca aactagacgt ttgttttctt 60
ctcattattt tttatttgcg ttgttctcaa gatgaagctc aaccttgcct ctctttcttt 120
ttctcgaggt atcgcccggt ttgttttcggg ttattatgtg ttttcgaagt tgattgtcga 180
cggacagaca accaaggatc tcgaatacat ccgcgagaat agcaatgggt accaaccac 240
actggcttct gaaatcgtga acaacgactt ccgctgcaac aaaggttcca tggactctgc 300
ggccaagaca aaggtctata ccgtcgtctc ttgtgcagag atcggttttc agctcgccta 360
ttgtgcttgc atgaagcacc ctgggctctc gcaaatctac atgtccaagg cacccggcga 420
tgtaagacc taagagggat cgggggattg gttcaaggta taccaggagg gtgtctgcga 480
agacattttc cgatgggttc gaacgattcc gaactggtyc acttgggggt aggacacttg 540
gtccttcaag atccccaagg gtactccgcc ccggcatatt ttggcccggt tgacacattg 600
cctttttggg gggttcgggg aattccaagt ttcttccctt gccctcaate gaggttcggg 660
gtttggatcg gccttcccg ggcctttt 688

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<210> 4967
 <211> 695
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(695)
 <223> n = A,T,C or G

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<400> 4967
caatatctca ctaagctcat ttacgtttct atcttcttgt caacctcgaa catatctacc      60
ttgtacatct ccataagtcg tgcccgttaag aagggaactc gcgataaatg ccacgcgtgg      120
cccactgat  ggaaattacg ccgatgaact cgacgttgat gtccgtgattg tgggtgccgg      180
cttcggcggt atctattctc tglacgaaat gcgaaagctc ggggtcaaaag ctgtcatcta      240
tgaagcggga aatgatattg gtggcacctg gagatggaa cgtttatccg ggcggggtgt      300
ggactcggag gtgcccagat atcagttatc gatcccgaa acctggaagg actggacgtg      360
gtcgaccaat tatcccaact atgaggatct gcgcaagtac ttcgatcatg tggacaagggt      420
cctcgatata aaaaaggact gtgcattcaa cagcgtggtc gtccggcgcgc attccatac      480
agtggaaggg cgtcggcaca ttccgactgc ggatggaagg actgcacgcg cgaaatattt      540
catcatcgct gccgggtttg cggcgaaagc ctacatcccc gagtggcccg gcacgcagaa      600
gttcaaggga attgtncacc actcgtcctt ttggccagat gagaaaatcg acgtttcgtg      660
gcaagcgtg  ggcgatcatt ggcacttggc gcttn
                                           695
```

<210> 4968
 <211> 682
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4968
caggtacacc ccctacgcgg ccctcgcgcg atctctgagg gttccacca atcggagtc      60
tagtagaate tcaccgacaa ggcctctatt cagcctcgcc tcacctttca ttccgcgaat      120
ccccagctc  gatagctcga acccgtcatt cccccgagt ccttctctctt attctattcc      180
ctctccagtg agcttaacga caggctcgtg gcaagatgcc cgacgtcaag aggaatgtcc      240
ggctgatcac agaacagcat gttgtaaaca aagattcggg tgttgaaggg ttccccctcc      300
gggcgtggtc tattgagatt taccttgta atgaccacgg agagcaagtg ccggccaacg      360
tcttcgacaa ggtgacgtat acacttcac ctagtttcgg ggatcgggac attcaaacct      420
tcaagaaccc ccggttcagg atctcagaag aaggatggg tgaattcgac atgcaaatca      480
cccttcacgc cgacaaggat cattacgtga cacacgacct caactttgca cagacacgt      540
acgagtccaa gcacgtcacc acatttaaaa accccaagcc tgccttattg gcagcccttc      600
gtgaatcagg ccccgctccc ggagacgaga atggagtga atctaagcgt tccgcagcta      660
gcgaagaagg atcaaagaag aa
                                           682
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<210> 4969
 <211> 796
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 4969
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gtccagtcac cgaccccatc gaccaccatg tctactggcg agctcgtttg ctctacgcg      120
gcccttatac ttgcogatga tggcatcgag gtcacggcg acaagctcca gactctcttg      180
accgcgcgca aggttcagga agttgagccc atctggactt ccactcttgc caaggctctt      240
gagggcgaag acatcnagga tctcttgacc aaghtgggt ccggtggtgc cgcctccgce      300
ggcgctgtg  ccgctgctgg tggcgttct gcccccggtg aggcgcgcgc tgagygagaag      360
aaggaagaag agaaggagga gtccgacgag gacatgggct tcgggtctttt cgactaagcg      420
tcttcaccgg ttcggttttc ctaatttctt ttttcacctc gttttcttcc tatctcttt      480
tcgcccctgc atttcttgta cccatacta cgcgaccgca cgatgaccaa aaagggaaat      540
tlaaaaggga tcaacggaca aagacatccg gtgggactgg gcgctttgct tgtatgatgg      600
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gttcgatgac	aggtactgga	acggatgacg	ctatgattcc	ggccatcaga	cttcagtcgt	660
ggcacaccta	tgggtcgggg	gcgagatcgt	gttgcccgtc	ctcgtttcta	tgttatatgt	720
tcccagttta	gctagtttcg	agcttaggtg	cccagatctc	atgccatgtc	tgatcatgca	780
ccatgaaaaa	aaaaaa					796

<210> 4970
 <211> 725
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(725)
 <223> n = A,T,C or G

<400> 4970						
cgctgtgato	acaaccaggg	agcagacaca	gcaaaagagc	gagaaaaagg	gcctgatcga	60
gactggtaag	gaggttggtt	acagcgaaga	tggctggacc	ggtctgtgga	gaggtctcaa	120
ggccagtttg	atcctgggtg	tcaacccggc	aattacctac	ggtgcctatc	aacgtctgaa	180
ggatattctt	ttcaagggga	ggaacaatct	aaagccctgg	gaagctttcc	tcctggggcg	240
tctttcaaa	gcaatggcca	caattgcaac	ccagccattg	atcgtggcca	aggttggtct	300
tcagtcgcgg	ccacccccgg	gtcgcgaagg	caagcctttt	aagacctttg	gtgaggtcat	360
gcgatatata	attcagaacg	aggggtgcgt	gtccctcttc	aagggtatcg	ggccacagat	420
cttgaagggt	ctgttggtgc	agggcttggt	gatgatgaca	aaagagagga	tggaactcat	480
tttcatcggt	ctcttcgcgt	atctgaagaa	gctcagagag	cagaagttaa	agaaggtcgt	540
cgatactgct	tgngccagcg	ctaaaaccag	cccttcggca	naccctgaaa	tagatgtcgc	600
tcccactttt	ctttcatata	tacgaactag	cttggttttt	ggtcttggca	atattctctg	660
acggcgtgcc	ggttccgatt	gccaaattct	actcttctat	gataccaggc	ttactttttt	720
gatat						725

<210> 4971
 <211> 741
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4971						
caccactgta	atcttttctg	tgtctagccc	ttttaggctc	ccctaattca	caaaatggcc	60
gaccccgctg	ttgaagaaat	cgttgaggag	gagactccca	agcagaccgt	tgaggatgct	120
ggcagcgact	ccgagtcctga	ggctggcgag	gccaacattc	ccgccggtgc	tgccgtcacc	180
atccactctc	gtaacgagaa	gaaggctcgc	aaggccattg	gcaagctcgg	cctgaagcac	240
gttcccgcca	tcactcgtgt	cactctccgc	agacccaaga	acatctctct	cgatcatcaac	300
cagcccgatg	tctaccgttc	cccctccagc	aacacctgga	tcattcttcg	tgaggctaag	360
atcgaggacc	tgaactccca	ggcccaggct	tctqctgctc	agcagctcgc	cgctgccgag	420
gctgccgcgc	gtgagcacgc	tggtaacgac	cacgagcacg	atctcggcac	caaggteccc	480
gaggccgaga	ccaagaagga	ggaggaagag	gatgatggcg	agcccgctga	cgagtcgggt	540
cttgaggcca	aggacatcga	gctcgtcatg	gctcaggcca	acgtgtcgcg	caagaaggct	600
gtcaaggctc	ttcgtgagaa	cgacaatgat	atcgtgaact	ccatcatggc	gctcagcata	660
taagcgtgct	ccatttaatt	tcgcgtatc	agtggctgat	gtctcttagc	cctgctggca	720
cgatggcttt	gggtgagagg	c				741

<210> 4972
 <211> 763
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(763)
 <223> n = A,T,C or G


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<400> 4972
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gagggccatt ctggtcctgg tgacgcttac tcgtttcctg gtgtcattgg cccttactgg      120
cttggtgatac ttgctgtggc gtggtattag caagtccgca tcggagatgc aaaatttcta      180
ctgttacgga cctcccaagt cgccaatgga tatgagtctt aacgaaatgg ccgaatggaa      240
tgcccatatg caaaccccgg tcgtctataa ccaccatgac cttatgaag tcaactcttc      300
taccattcac aacattgacc tcaaccccat cggtcttagt gctcaagctg tcgcaaacgc      360
tgaacgagtg ctcatacctga cgccgctgag agatgctggc ccatactctgc aaaagtactt      420
cgagctcttc tacaagctgt cctatactca tcaccttate gacttggcct tctctgctcg      480
cgactccaag gatgacaccg aaagcctcct cgtctctgag ttgaatcgga tccaggaaca      540
gggcgacaag gttgcgttcc gcagtgcgag cattatcaag aaagacttcg gggccgatgt      600
gaacatgaac gttgaggatc gacactcctt tgccgctcan ggtccgcgcc gtaaggctat      660
tgggccggca cgtaactatc tgctctnact cgccctgaag cctgatcatt cttgggttta      720
ctggnagaga tgtggatatt gtcgacagcc ccagagaccc att                          763

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<210> 4973

<211> 651

<212> DNA

<213> *Aspergillus oryzae*

```

<400> 4973
ctggcgatgt acctataaat gctctagtaa ccggtgataa taatcagaga agcatgttca      60
tccagcttta attcgtggaa agtgactcaa gatgactaca caggagcaga aagccgatat      120
ctggtcagcc gatgtttacg gcaacaaagt ggccccattc gttgcaactt taacagagaa      180
gattgtttct tggctcgatc ctaagcctac agatgaagta ctcgatgtcg gctgtggaga      240
tggcgtccta actgccaaat tagcccccca tgttaaacgt atcgttggcg tcgacgcctc      300
accgaatatg atagagcact tccagaaaac atatcccat attgaatcct gcgttgtgga      360
ctgccgacat ttggatcaag tgccagtcct cactgagggg aagtttgaca aagtcttctc      420
gaacgctgcc ttacattgga tcttacacga ccccgaaaac cggtcgaaca cgatcaaggg      480
ctgcttcaat gcgcttaagc caggtgggat tttcgtgagt gaatcgggtg cgctcggtaa      540
cggtaaccgag gtgcattgag caatcgtcag tgctctggtc attccaagca ttccttgtga      600
aaaaagcccc gcaggttcgc cttgggggggt tccttcccag aagctttgaa a                          651

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<210> 4974

<211> 732

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(732)

<223> n = A,T,C or G

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<400> 4974
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ggccctcaat gcatattctg gttgtgaacg acgacggccc tccgtcaaat cagtcgtctc      120
cttatgtcca ctctcttgtc gttgcgctac agtcggcagg ccatgtggtc tccgtagtcc      180
tccacatca gcaacgatca tggatcggtg aagcccacct aatcggcgct gccgtgaagc      240
ctacctatct cgtctctgga acgctgcata aagacgatgg aacgacgcac gacctgcctc      300
ggggaagtga cctgctgac gatgaagacg acgatgggtg tgaatggatc ctctgtgatt      360
ctaccccaga cagctgtgtc cagattgggt tataccacta tttcgaggac cgtgggacctg      420
ttgacctagt ggtgtcgggc ccgaactacg gcgggaattc aacggcacta ttgccttctg      480
ctagtgggac aattgggtgg gcgatggagj gagctgtctg tggaaagcgc tcaattgac      540
tgctgtacgc ctttagttca agggaccacg accccgttgt gattgccgag gcctcgcgc      600
attcggttcg gttgatcgag taccttgcaa agaattgggc ggacgggtga gacctttaca      660
gggtcaatgt accgttggaa cctgggtgtga gccagagcaa ggtctctat actgacatgc      720
ttgataaccg an                          732

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<210> 4975

<211> 710

<212> DNA

<213> *Aspergillus oryzae*

<400> 4975

ggtatacgt	atcgccactg	ccgacgacgc	atctactatg	cactgccaga	acacactgcg	60
attagatcct	atctgaccat	cgcaatggac	gagaaagacc	tttgcagcaa	tcggaagata	120
cttcaggaga	cgctgaaaaa	gaaccccatc	tccagctcct	ctacgaaacg	caagacatcg	180
ggtcgggaag	gtcaaaatgg	tgtggtaaag	aagcgaaaca	cggaacagct	cgaagggaaa	240
actaaatctg	aacaatctca	tatatcgaaa	aagaggaaga	gaatggccga	caacgctgct	300
gaggggggca	aggatgacgt	acaggaaacc	gtcttgaaat	ccatcacccg	gaagaattct	360
actgcctcgc	ttgcgcgcgc	acctgacgtg	aagatttcga	aggccaatga	gggcccgtca	420
ccgactgcgc	aactaggtaa	atatgttgcg	atggactgcg	agatgggtggg	agtcggccct	480
aaccccgata	acgactcggc	tcttgccgct	gtcagtatcg	tcaacttcaa	cggcgaacaa	540
gtgtatgact	cctttgtacg	accgaaggaa	atggtcacgg	attggcgaac	gcatgtgagc	600
ggcatattac	cgaagcatat	ggtggaagcc	cggtccctcg	aacaaaagtca	aaaagatgtc	660
gcagagatta	tggatggacg	aatatcctgt	gggcatgctt	tggggaagca		710

<210> 4976

<211> 676

<212> DNA

<213> *Aspergillus oryzae*

<400> 4976

cttcgacagc	tggcgtagat	ttgaatacct	cgacgaggat	gtgcccgatg	atggcgaaaag	60
ccgtgaccag	aagcgtaaaa	ccgagaagaa	gaacgccaac	gctcgccgca	agcgtaaggt	120
tgaggacact	gctcgtctcc	gtaagctcgt	agacgactgt	gctgctcagg	atgagcgtat	180
taagaagtcc	cgtaaggctg	ctcgtgccga	caaggacaag	aagcgtctcg	agaaggaagc	240
cgaggctaag	cgtctggctg	aggagaagga	gaaggctcgt	ctggaagagg	agcagcgcaa	300
gaaggatgct	gaggaggccg	ccaaggctga	acgtgagaag	aacaagaagg	ccaaggaggc	360
cgctaagaac	gctaccaaga	agaacaagcg	tgttggttaag	ggctccgtca	aggagggtcaa	420
ctacttcgct	gatggcgagg	cttctgcttc	tcaggctcgac	tcgctcctga	ccgacgttga	480
gcttatcatg	agcaagattg	atgccgagga	gcttgccggt	ctggctgagc	gtcttactgc	540
tgctggcaag	gatgctgctg	ccgtcaagaa	cgtttacgct	gaggagtcca	agaggctggt	600
tgggtgccgt	aagctcaagg	agggcgagac	caagaacttc	tagagtactc	atctagaagg	660
tacgactttg	ttatgg					676

<210> 4977

<211> 735

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(735)

<223> n = A,T,C or G

<400> 4977

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gacataatcg	atgggtcccag	atcaaacatg	aaaaggcaaa	gaatgacaag	gcgaaaagta	180
aggagcgcca	aattatcggc	aaggaaatca	gtagcgcgac	gcaaatgtgg	ggagcggata	240
ccaagtccaa	tctcgggctg	acccttgccc	tctcgaacgc	aaaacgagcc	ggaattccaa	300
agaccggtgat	tgaggagagca	attgcaaggg	gccagggtat	aagtgtaaat	ggcgagggtc	360
tcgagcaagt	taccatcgag	gctatactgc	cccattccgt	tcgagccggt	atcgaatgtc	420
aaactgacaa	gaagggcgcg	atcttgcaag	atctccgcta	tcctatcaaa	gatgccgggtg	480
gaacggtcac	tcgactacg	tatctctttg	aaaagaaggg	gaggataata	ttcgaaaaga	540
aagacggtct	aaatccagat	gactatcttg	atcaggctat	tgaagctggc	gctatggaca	600
ttacggcaga	tgaagaaggc	cgtctcatcg	tgttcacaga	gccaacagaa	acaaagagtg	660
tgggtgaagc	ttttgacaag	tcattctcagc	tcacaattga	agaaatagaa	ataatntgga	720
tcgaaaccca	gacac					735

<210> 4978
 <211> 661
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4978
 cgcaaacggg tctttatagc catgtccgcc caggcttttag cccaactgaa tggcattaac 60
 gtcattctcat attacgcccc gctcgttttc gaatccgcgg ggtgggcggg ccgcgatgcc 120
 attttgatga ccggcatcaa tgcaatctca tacttgccat ctacggttcc tccatggtac 180
 cttggtgate gctggggaag gogaccaatc ctcccttcag gagcagtcgc tatgattgtc 240
 tctctctctt taatatcata ttttattttc attgatgttg cagcaactcc cacgctcact 300
 gtgattctcg ttatgattta caatgctgct tttgggcgat cctggggacc tatcccgtgg 360
 ctataccgcg ccgagatctt gccgttaagc attcgtgcaa aaggtgccag tcttagcaca 420
 gctacaaact qggcttttaa ctggcttggt ggagagctca cactatcct tcaggccgtg 480
 ataaaatggc gctctacch agtacacgcc ttttctctg cgtgtagttt tgrgtcgtt 540
 tacttctat acccggaata cagtggcggt cgccctcagg atatggatac tctgtttggg 600
 gacgcaacta acgccaatgcc aacaccgcgc tcccaaggag aacatggctc tctaagtgt 660
 t 661

<210> 4979
 <211> 453
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4979
 catgcggcca tcatcacctt accgaacctc gaagtccagg tcttgattgg caactagcct 60
 tactttgcgc catctcaatc ccggtctccc caccacaaac cagccgtcaa gatgtcttcc 120
 cagaagcccc agaaggattt cggcgagggg cctaaggctc acaagatccg tatcaccctt 180
 acctctcgca aggtcgcctc cctcgagaag gtttgctctg agctgatcga gcgtgcccgc 240
 tccaagtccc tccacgtcaa gggccccgtc cgtcttccca ccaagacctc tcagatctcc 300
 acccgtaaga cccccaacgg tgagggttct aagacctggg acaagtacga gatgcgcac 360
 cacaagcgtc tcatcgacct cctcgccccc actgagactg tcaagcagat catcatcaac 420
 atcgaggctg gtgttgaggt cgaggtcacc att 453

<210> 4980
 <211> 515
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4980
 tcccgggtctt tgccttgatc ctgtgttccc tgattgcctg cctggcctac atgaacgtct 60
 ccagcgactc gaagacgctc ttccgctact tcgtcgacct tgtgacctc ttcqgtctcc 120
 tggcctggat ctccctgctg gtcacacaca tccacttcat caatgcccgc aaggcccaga 180
 atgtccccga gcaacagtta gctacaagt ctcccttcgg taagacgggc gcttacatcg 240
 cctcgcatt ctgcacctc atcgccctaa cgaagagtta cgacgtcttc accacaacc 300
 cgaagtgggg caacttcaac tacaagaaat tcattactgc ctacctagge atccccctct 360
 acctgattct gctctttggc tacaattctg tcaactggac caaggcgctg aagcccagg 420
 aaqccgatct ctggaggggc aqqacqctc tcgatcgtga ggagcaggag tatttggccc 480
 gaaagctgt tatggatgaa cagcgggggc ccggt 515

<210> 4981
 <211> 700
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 4981
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ccgccataac aacactaccc ctccagcgca ggagagtgtt atggctctct tctcgtctca 120
ggggaaaact gccgtcgta ccggcgagc atcggtatc gggttgagcg tcgcacatgc 180
actcgcgag gctggcgcca acgttgccat ctggtataac agaaacagta aagccgttga 240
ggaggctgca aacatcgagt ctaaatatgg cgttaagtgc cgtgcatacc aaataaacat 300
ccgcgaaagc gaaaagggtg aagagctgtt gaatacatgc gtccgcgaat tgaacggtcg 360
cctggacatt ttcacgcca actccgggat tccgtggact caaggacca tgatcgatgc 420
tccgcttgac cactacagag acgtgacaca aaccgatcta gatggaacat tctattgtgc 480
cagagccgct ggcgctcatt ggagaggcag aagaccgagg gtacagatat ttttggcaat 540
cctctacaag gcttcacata cggtagtttc gttgcgactg cttccatgag tggacacatt 600
gtcaatatac cacagctcca agctgcgtat aatgcggcta aggcccgag tgatccattt 660
gtgtaaatac acttgccgtg aatggggta gtttgcgcn 700

<210> 4982

<211> 687

<212> DNA

<213> *Aspergillus oryzae*

<400> 4982
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tatccctaag gacgaccgca agaagatcca cgagtacctc ttccgcgagg gtgtgctcgt 120
ggccaagaag gacttcgagt ccaagcatgc cgacattgac accaagaacc tctacgtgat 180
caaggccctc cagtcctcca actcccgagg ctatgtcaag acccagttct cgtggcagta 240
ctactactac accctcacc cagagggtct tgactacctc cgtgagtggc tccacctccc 300
cgctgaggtt gtccctgcca cccacatcaa gcagcagcgt tcccacgctc ccccccgagg 360
tatgatgggt ggtgaggagc gtgagcgccg tgggtcccgcc cctaccgctg aggggtggcta 420
ccgcgcgcgc gaccaggaga aggagggtgg tgctcccgcc gagttcgccc ctaacttcgc 480
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ctaggggttg gatggtagcg tgagtggctt gagtagaatt tggaataagt tcgaaaaggc 600
tgctgcgccc atcctaataa aattatgcat tgggtgctgta tcgatattac gacatagcta 660
gagtcaatgt catgatttta atgactc 687

<210> 4983

<211> 642

<212> DNA

<213> *Aspergillus oryzae*

<400> 4983
agaggaatcc tgctgcttct cttttctctc ttatatcccc tactatctat ttgattgttg 60
ataccattt cattctctt ctgtattttc tcaaaatttc actgacgtca taatgtcttc 120
tgctcagcag cgtcttcccc aggtggcttc tcaacttacc cctgggtgca agaagggcgt 180
cgccgcatc accgagaagc accccgatga cattgtcgtg acttgtgccc ttcgttctgc 240
cctcaccag ggtggaaagg gtggttcaa ggataccgcg gctgctgata tctggctgg 300
cgttttcaa ggtgttattg agaagagtgg catcgacccc aacgtcgtcg aggatgttgc 360
cgtcggtccc gtccctgccc ctggtggcgg tgccaccgag ttccgtgctg ctgctctgg 420
tgctggtttc cccgagacta ctgctgtcaa gagcttgaac cgtcagtgtc ccagtgtct 480
ccaagcctc attacattg ccaatgcttt caagtcccg ctgaatgaat ttggattgg 540
gcttgtgtg aaaaatttc ctcttcagaa ttggcccggt gttcttacc gaattttaga 600
actctttag aacctctc aaattttcca actgtgaagg cg 642

<210> 4984

<211> 711

<212> DNA

<213> *Aspergillus oryzae*

<400> 4984
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ttgtccattc attgatcaaa gcttcttcca acctgtgtgt aatctcaccg atcaataatc 120

gaccctccag	acctctctca	tcggatatcc	ctggttttctc	tccactctcg	acgcagacat	180
tctctctttt	gtttatctat	cctaccgctt	tttcaaaact	tcatcaacct	gaagatccta	240
ccaccatggt	ccgcaatata	gtggtaattg	ggggcacttc	ccaccacaaa	ctgactcaga	300
acatctgcgg	cgctctgagt	atccccccag	cagatgttct	actttccaaa	ttctctgtgg	360
gcgaaaccag	agttgaaatc	aaagagtctg	ttcgtgggaa	agacgtgtac	attattcaat	420
ctgggtggcg	gaaagtgaac	gaccacctac	tggagctact	cattaccatc	tctggctgca	480
agaccgcctt	cgccaagaag	gtcaccgatg	gtctccttct	tttccgtact	ctcgccagaa	540
agatattcct	tacaataaga	ctggcgcgcc	tcttgtaaag	tcatctgttc	ctggaaggcc	600
gaacctgaga	agggtattct	ttcaagaaca	ccccataaac	cccatttctt	ggaagcctga	660
gaatgggaat	cttcttgacc	ggggtgtata	cccacacaaa	aagcttgggc	c	711

<210> 4985

<211> 304

<212> DNA

<213> *Aspergillus oryzae*

<400> 4985

gcgcgcgcct	ctgtgtcttt	gagcagccca	accagccggt	ctcgctttac	ttctatctcg	60
accgatagac	ctcttacttc	ctggctcgaga	cgggactcca	cctcgactac	ttccctcgac	120
ggccctcgcc	aactgacgcc	tatctacact	ctccccgctc	tcaaccgccc	agtcgagacg	180
cctttgacct	cgcttgetta	ctcggagget	tctcacactc	cctcccttga	gcctccatcc	240
atggctctcg	accacaattc	agtttctctc	gcctccccta	ggaccgtctc	atcgccacag	300
ctcc						304

<210> 4986

<211> 611

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(611)

<223> n = A,T,C or G

<400> 4986

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gcattgtata	taatcatcgc	tcatgagtaa	gaactagaaa	agaaataaaa	ctccactacc	120
taggaatcat	tatcaggaag	catagtgcct	cttatagaaa	gccgcggcct	cattgcccgc	180
tatccttccg	aagacgacac	actccagaag	agacgacctc	cccaagcgat	tctgaccgtg	240
taggccacca	gtgacctctc	ctgcagccca	gagacccttg	atggggggctc	cattcttate	300
tagcacctga	ctgcgcttat	caattgtagc	tcctcccatc	gtaaaagtggg	taacaggagt	360
gaccttccca	atatagacca	cagaatccgg	tgtcacatcc	ttcagagtcc	agtttccgaa	420
agctgcacgg	ccaaactcat	cttggtgttt	gcctgagara	atgtctgcat	atgttttgat	480
agtttccgag	actgggtggat	caagtctcgt	caccgttgct	ttacgcatta	gccctttcca	540
cagatagaat	cccatatgcg	agcctaaggc	ggcagcggtc	ccttcgtcca	agagaaggct	600
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<210> 4987

<211> 653

<212> DNA

<213> *Aspergillus oryzae*

<400> 4987

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aagcaggagc	tcagccagct	ccgcgtccag	aagatcactg	ggggtgcctc	gtcgaagacc	180
cagagaatcc	acgacgtccg	caagtgcatt	gtcgtgtccc	acaccgtcat	caacgccaac	240
cagegcgcct	agctccgctt	gttctacaag	aacaagaagt	acctccctct	cgaccttcgc	300
cccaagctta	cccgatgatc	ccgtcgccgc	cttaccaagc	acgaggcctc	cctcaagacc	360
gagagacaga	agaagcgcca	gatccacttc	ccccagcgca	agttcgctgt	taaggcttaa	420

atgaagtcgg	gtcgtgtctg	gatttagatg	gagttccggg	aacgtcgtta	taaagatgac	480
gggttggacc	accttgtgtg	ggtcggttgc	acaaaaaacg	tcttttaaaa	gaaattgatt	540
atgtatctta	gaaaaagatg	caagtcgata	ttaaatgaag	gctttacttg	acttgacaat	600
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<210> 4988

<211> 674

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(674)

<223> n = A,T,C or G

<400> 4988

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ccaccaccaa	tccagcatgg	tttccactat	ggtcacacag	cagtggggta	acctgttggt	180
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gtatctgcct	tctcgtctct	caactgagat	tggtgccgct	ttctgcttga	tctccggtgg	300
cttgattttc	atggttagta	cccgaatgt	ggttgatgcc	atggagtttt	acgagctcga	360
tgcatgtttt	attttcaactg	tcgctatggg	agtgaccgct	ttcataatgg	cctgtgagat	420
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gtgtccttca	caaggacat	ggttaagact	ctacctggat	gggtttctca	tcgccctatt	600
gaaaacaaaa	agaattgaga	aaaaggagaa	atgggaaaag	gcataagaga	catcgaacat	660
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<210> 4989

<211> 706

<212> DNA

<213> *Aspergillus oryzae*

<400> 4989

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cttggttgta	ccagcctcag	cctcaccact	agccgatgac	tcggctgggg	cagatccaga	180
tttatcagac	tcctcagcag	aagctgccat	gtcagcaggg	ctagggatat	catctcctac	240
ctcttcgtgc	atcttgatg	cctcgatgcg	ggtggccagt	ttgatgatct	caatacctct	300
cttgaggcga	gggcgttagg	aatcggcggg	acaacaaaaa	aaaagtaagg	ggagatatga	360
gcattgggaaa	gagtcaccacg	tgagtggtca	tttatatacc	gctgttgga	tacttaccgc	420
tggtccacgg	gcgccatgag	gaaacttttc	atgaactcgg	gtcaaacaac	cttatcactt	480
ggtaaatgag	ctgagaccct	attttagtga	cgaggtgatc	gctatagccc	gactttctgt	540
tggttactta	tgccaccctg	ctgggcgact	ccgagccttt	atatagcaca	gcattgtcga	600
cgcattgtga	tgacgacgac	catgccgact	gtcactgata	ctactactct	gactactgcc	660
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<210> 4990

<211> 703

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(703)

<223> n = A,T,C or G

<400> 4990

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tctcattgga	accggcatcg	gcgttacacc	atgggcatcc	atcctaaaga	acatctggca	180
tatgcgcgct	ggacccaacc	caccccgtcg	tcttcgctcg	gtcgagttca	tctgggtctg	240
cagagatacc	tcttcctttg	aatgggtcca	ggctctctta	tctcactcg	aatcccagtc	300
tgcctacgag	gcagcgaatg	aaggacgagc	ggagttcttg	cgcattcata	cctacetcac	360
acaacgtcta	gacgacgaca	ccgccgcaaa	catctacctc	aactccgtcg	gccaggaggt	420
cgacccactt	acggagctga	agagtcggac	caatttcggc	cgtccgaact	tccagcgtct	480
cttcactgcc	atgcgtgatg	gcctccaaga	cgggacatac	atgcctggct	tgtatgctga	540
attctccacg	cagatcggag	tctacttctg	tggacccaat	gccgctgcta	ggcaaatacg	600
ggaggcaggc	gcgttatcgg	cgactaagga	tatannnagt	cagttctgga	aagagcactt	660
ctaataatth	tttgtttttg	gataggaagg	gccccgcata	gtg		703

<210> 4991

<211> 632

<212> DNA

<213> *Aspergillus oryzae*

<400> 4991

tcgctcttag	cctttttttt	atccccctacg	ttctcctagg	ccctcggtct	atthgggtac	60
cctgattgtc	agctggggaa	taattatgac	ggtgactggc	gtcgttcgaa	atthcggcgg	120
gthgttgacg	atgcgacttt	tgthtagaat	ttthtaggct	ggattctttc	ctgggttcggt	180
ctacttgtgt	tcgcgctggg	acatgcccag	agacctcgcc	acccgggttg	cgcattcttt	240
ctgtgcaagt	gctctctccg	gtgccttttc	cgtctcgctc	gcggctgggtc	ttacaagat	300
ggatggcgct	ggtggatatt	caggctggcg	ttggatattt	ctgattgagg	gcttgattac	360
agthgttttg	gggggttttg	ccttcttttt	actagtagac	tccccggaaa	tatccaccaa	420
atggcttgat	caggacgaga	tccggtacct	agtgatacag	gaattcatca	aagaaggagg	480
gaagttcaag	gaggaggata	agaagacatc	atggaaagac	gttggggaca	tgatgcggaa	540
ctggaggatt	tatctactat	cctatattat	gctgtgccag	tcgggctgca	actacggtct	600
gttcgcgata	acctaagcct	aagacttttt	gt			632

<210> 4992

<211> 638

<212> DNA

<213> *Aspergillus oryzae*

<400> 4992

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cgtcctcgca	tcattccgat	attcagttgc	cctaattgtc	atcgcgcgat	tcattcatcg	180
ggtaggcatg	ggcctcgaaa	ccatggtaac	tccaattctac	atctccgaac	tctccccctc	240
ctcgcgcgcg	ggcgcgatga	tcaccgtcta	ctcgctagca	gtaacagggtg	gtcaagccct	300
cgcctacgca	atcgggtcca	tattcaacct	cgtctcgcaa	ggctggcgct	acatgttcgc	360
cttcggcgcc	attccaagcc	taattcaagt	cgcgctgttc	ccatctacc	ccgagacccc	420
gcgcacacct	atttacggga	accaaacagc	agacgccata	atggtgcttc	aacagatata	480
ccccacggcg	gcccccttcc	gacattcaaa	cccttggtcc	aaccattcaa	gaacacgtta	540
aaccggttcg	tcttctttta	accagggaat	ccgacgcgca	tgctgggttc	tggaaacact	600
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<210> 4993

<211> 703

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(703)

<223> n = A,T,C or G

<400> 4993

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atcgaggcgt	cccagtgaac	gccaccagta	cccctgagaa	tcccaatcgg	acatgggtatc	180
cgggggatct	catggttgag	tactatcggc	agcggggcgac	ccccggcggg	ctgatcattt	240
cgggaaggtat	tccgccttca	ctcgagagta	atggaatgcc	cgggggttct	ggtctgttca	300
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gggttcgatg	gcgtcgaaact	tcacgggtggg	aatggatacc	ttactgagca	ntttttgagc	660
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<210> 4994

<211> 879

<212> DNA

<213> *Aspergillus oryzae*

<400> 4994

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agctgaacaa	tggaaatgaaa	ataccgcgc	tccgttttgg	tgctatgaaa	aaaggcttag	180
ttttaccaga	agaagagaag	gactatgtcc	gaagtctcat	agtgcaggcc	attaaagctg	240
gctatcgccct	aatcgacacg	tctaaaatct	acgccacgga	ggaccttggt	ggagaagcca	300
tcaaggagtc	aggagtacct	cgggtctgaga	tcactgtttt	gacaaaagcta	tctagtgatg	360
atcaccatga	tgtgcgcgca	gcttttgaga	gatcgcgcg	cttgctcgat	acctacattg	420
atattttatat	catgcattgg	ccgcagggat	ttacaaaaga	tgtgtcacgc	ccattggcac	480
cggaggagag	tccaacctat	atagagggtct	acaaggagat	ggagaaactc	gtggggccgg	540
actgcagagg	tattgggggtc	ggcaacctta	cacagaagac	attggatatg	ttgctcaaag	600
aaacggaaat	caagcctgtg	gtcaacgaaa	tcgagattca	tccctgggaac	cccaatacga	660
aatttggtcca	tattgtcttg	aaagaggcat	acgtccggtc	gcttggggcc	ccttagcaag	720
cggaccacaca	agtcattact	cggacacttc	ctcgatctat	gagagtcccg	tcctcacctc	780
tctttcttca	cgctacgaac	tctctgtcgg	gactatcatt	ctatcatggc	ttgttcaacg	840
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<210> 4995

<211> 1293

<212> DNA

<213> *Aspergillus oryzae*

<400> 4995

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ggcgggttatg	gtggaaatga	tagctatggc	tctcgccagg	gcaatgactc	ttacggatcc	180
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aacgactcct	atggctcttc	cggtaacaac	aacagctctc	atggctcgtc	cgaccgggac	360
aactacgggtt	cttccaacga	ttcttacggg	tccagttaacc	gcaaggacaa	cgactcctac	420
ggctcgagcc	acaataaccg	cagctccaag	cagcacggca	acgattccta	cggttcgaag	480
agggacaqol	atggttcttc	caggartcc	tatqqatcgg	gctcgaagaa	tgatagetac	540
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tctagtgggt	catatgggtc	caagaatgac	aacagctacg	gatcctctgg	cgattcctat	660
ggttctaaga	acgacaacag	ctacgggtct	aagaacgaga	gtagctatgg	ttccaagago	720
gatagctaac	gttctagccg	tcgtgacaac	gacaacgaca	actcttatag	ctctaataag	780
gatagctaac	gttctcttaa	tgactcctat	ggctccaaga	acgaacttta	cggatctaag	840
aatgacaaca	gctacgggtc	taagaacgag	agtagctatg	gcaccaatan	tgacaqctac	900
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cgtgataacg	acaacagcta	cggatcctcc	ggagactcct	acggttccaa	gaatgatago	1020
tatgggttcta	gccgtcggga	caatgatago	agctcttaag	galcttctgg	taacaactat	1080
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ctaatatcat	tattagttga	tcgatgtatt	taaattatgc	ctataacatt	ataacataag	1260
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<210> 4996
 <211> 693
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(693)
 <223> n = A,T,C or G

<400> 4996						
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aacagggcgc	taatgacccg	ggtcataccg	gatgacaata	ctacaattgg	cacgttgttt	600
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<210> 4997
 <211> 683
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4997						
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ccatcatgct	tttcctcggt	cgctggaaga	atggaaggcc	gccaaattgg	atcggccaaa	180
tctccataaa	cgttcggcaa	cgtatgaggg	cattgaagag	gatatgatga	ccgcctttcc	240
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<210> 4998
 <211> 643
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 4998						
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gcggtggctg	ttcaccgtcg	cctcgcgcgtg	gcgcggcgca	ttattctttct	cgtaaggatg	480

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<210> 4999
 <211> 695
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(695)
 <223> n = A,T,C or G

<400> 4999						
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ccgtctccca	gcttgtttca	cagactcaca	gcaaggagag	ctctcggcga	caattcgata	660
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<210> 5000
 <211> 673
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(673)
 <223> n = A,T,C or G

<400> 5000						
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tcgagaggca	ttgagtcctc	cctgaaggac	ctangcgtgt	cctacgtgga	cctttacctc	360
gtgcactggc	ccagcagcac	cgaccccaac	gacaagtcca	agcatctccc	tgactgggac	420
ttcatcaaga	catggcaaga	gatgcaaaag	ctgttcgcca	accgccaagt	tcgcaacatc	480
agtgtcttaa	acttagtata	aagaaacctt	gggaacctct	ttaatgacct	ctatcccaaa	540
gatagtgcgc	cqccataacc	agaaataact	tgtgccccta	aaaacccttt	tcccaaatgt	600
gggggcacaa	aaaccttcca	agggattccc	ttcctctgga	caccttggcc	gggttcccc	660
aaactccccc	ctt					673

<210> 5001
 <211> 687
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(687)

<223> n = A,T,C or G

<400> 5001

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gcactgcaga	agaccatggt	gtacagtact	ctgatcggta	tctacccgga	atggcatccg	180
cggctattcg	agcttctgag	ccatttcagc	tggctcggcg	cgggcggaag	aacgtacatc	240
atgcggtacg	tgcaggagaa	aattcgccga	cacagtggag	ctgccaaagc	tgatccggag	300
caagggacgc	tgcagacaca	ggacttcctc	gagaagatga	tctcgcctcg	agacaaggat	360
ccagagaagg	tacttgatta	tcacttatcc	atgatgggct	tgtcgaacgt	gattgccgga	420
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ctccgtatgc	acagtgccac	tggctctccg	ctgtggaggg	tcgttcccgc	ttgtggtgcc	660
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<210> 5002

<211> 823

<212> DNA

<213> *Aspergillus oryzae*

<400> 5002

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agcccttctt	gccctacttc	tccaaacctt	acggctacat	cgcctccctac	ctggcccgcg	360
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aggacaccga	gaagctccgg	aacaccatct	acgataacgc	cacttaccgg	gtgcgagtcg	480
tgggcgaagt	caagtcccat	gtctttgaca	cttacggatc	cagtagacaag	aagtgcggtg	540
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tcaacgacaa	gaccgacaag	gccacaact	agagagggat	ggtgtttcaa	tttcaactgga	720
gggttctttg	tccagccaac	ttctatgttt	aatttctgtt	tctaaaaagg	gggtttgatt	780
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<210> 5003

<211> 876

<212> DNA

<213> *Aspergillus oryzae*

<400> 5003

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tagnadctcc	atcgcacaag	tcctccgctc	caacaactcc	aagtacaagg	aaggcgattt	360
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cattcgccct	ctcgaaaacc	ccttgggcat	tgaggatata	cgtgtcttcc	tgggtgcccc	480
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aacgttccaga	agtggatcaa	ggacggttcc	ttcaaagctc	tgaccacaaa	gaccgttgca	840
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<210> 5004

<211> 644

<212> DNA

<213> *Aspergillus oryzae*

<400> 5004

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acagaatttg	cgccgtcacc	tgcgggatct	cgaaatgcac	accgcagaca	aatttcaagg	180
acgtgacaaa	gaagttgttg	tactgagctg	tgtgcgcagc	aattcagaca	accatgtcgg	240
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gaagcttgct	gaagagcaag	gctgggtata	taatttacca	aagggcgctg	tggaagatca	420
cgtcttcgac	tctgacaaca	tccatacaca	accccagcca	caagaaggat	caacacccaa	480
gtcgaaaaag	agtccacctt	ctcaaaaaag	gtccggaacc	ctttaagtcc	agcacaagcc	540
cgaaatgctt	ccaaagggtc	taagaaaccc	cgcaaaaaag	ggaggtaagc	tgctgagtgg	600
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<210> 5005

<211> 684

<212> DNA

<213> *Aspergillus oryzae*

<400> 5005

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aaggcttctt	tgcctttcta	tttggtgacc	cgcggggaagc	caggggtctg	tttgagcacg	180
cctttgatat	ctccaactcg	tcagccccat	tgctaagaa	gcagtacacg	ttaaagcttg	240
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tctgtaccgc	tgtagaggca	gaatacgagg	tgtccgagtc	agcgtccgcc	ctctctcgat	480
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ctgctgaaag	gcagagacag	cgctcatgct	atcaggggaa	gaggatgccg	aaaaagtcga	600
acctgaaacg	aacaacaggc	ttcgcttgct	agcccacttg	acagcgggcc	ttgcgcatta	660
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<210> 5006

<211> 669

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 5006

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cggccccggg	ttggccgaca	tcttcctcat	caagctatc	tcacacccgc	aaqttegcct	180
gcccattctc	acgctaagat	ccacgaagtt	caaccatgtg	aagcacgaaa	atatctatct	240
ggtagcgggtg	accaagaaca	acgccaatgc	cgcgctcgtg	ttcgagtttt	tgtatcggtt	300
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acagacactc	tgttaattgtg	catctcgaca	gggggaagtgt	aatnccctct	ctgtgacaaa	480
acccacagac	ttaaagccca	ttaaccatgta	aaacacccgc	gcgctttttr	tggggcgctt	540
ttaaattaaa	aaaaccagaa	aaaggacctt	tgtgacgaga	tcaaaaaata	ttatTTTTTT	600
tggtgcgggg	aaggggcccc	tctccccgcg	cacaaaaaaa	aagaggaaaa	attctttctc	660
gccctccct						669

<210> 5007
 <211> 634
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5007						60
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ttgggtggga	gagaaggctc	gcagtctgcc	tatgtcattg	ttcggcttca	ccagtgttgt	240
aggatttgca	ctgggccccct	tcacgcgttc	ggccattgta	cagatccaca	agtctgaccc	300
ttggcggttg	atcttctaca	ttcagattat	ctataatgcc	gccctcatcc	ccgtgttcta	360
cctgatcctc	agcgaaaccc	gccctgatgt	aatcttaaag	aaacggggcc	gaaagatccg	420
gaaggaaaacc	ggcgacacctg	tctatgcccc	agcagagctc	aacaaagtca	acacactcaa	480
gcttctgcag	atctcctttc	aacgtcctac	acgcattgtc	ttaactgagc	ctgtcggttat	540
cttctttaca	ctctggatca	gctttgctta	gggtattttg	tatttattct	tcttcagtgt	600
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<210> 5008
 <211> 668
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5008						60
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ttgtgggctc	gtctacactc	ctcgccttgt	ttttgatcgg	cgcaagccta	gcgcatactc	240
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cttgggctat	ggctcctttac	ggagccggtg	cggtccgta	tccagcctcc	ctctgggcct	360
accacctgtt	tctggttggc	cggggagaga	ctactaggga	atatctaaac	tcccacaagt	420
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caagcataga	gatgcagcat	gtcccttctg	atcaaccgca	agattgaggt	cagtaacgat	660
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<210> 5009
 <211> 662
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(662)
 <223> n = A,T,C or G

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gtcgtgcgag	ctcgttccgc	ctctcccatc	cacttcttta	ccctgaacgc	cgccaactcc	240
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gcctgcccc	cgggcaagga	gaccgtctct	ctcggcgaca	agtaccttga	cgtcgccgtc	360
cccggtgggc	agagatctct	cgtcgacccc	catggcgccc	tctccttcac	cactcctcac	420
tcgggtctaa	ctccccccgg	ctcctcgact	gagggcttgc	cttacaagcc	cggcaagnac	480
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cccaccggca	acgtcagaga	ctgccttgga	ttctcggtcg	ttgctgcccc	atacactgga	660
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gg

<210> 5010
 <211> 510
 <212> DNA
 <213> *Aspergillus oryzae*

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gcctccgtgc actcccagga tcaggaccag tccatgatgg acgccaccgc cgcggcacct      180
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cttccccggg ctaccgagac agcggcttct ttcagtttg agggcgaggg tcatacattg      300
ggcaatgcgc tacgatatgc cattatgaag aatcctcagg ttgaattctg tggatatact      360
atcccccatc ctcccgagac taagatgaac ctgcgcattc agacttatga cacaacgaac      420
gngtgggaag cactggagaa gggcttggat tctctgatgg atctatgtga tgttgttacg      480
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<210> 5011
 <211> 620
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 5011
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tcgtttccag cggttgacta tctggcacta ggatgcattg taggaggttg gatcttgatc      180
cagctgtttg tgacccatt tcctcgtctg ttttcgctcg acaataaggc catccaatat      240
cccttcgctg tagtggaaag agttcccgtt gtatggtcca taatatacgc tggcgtcatt      300
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gtaactatac ttggtttctc ggtcgcatta atgttgactt cgctgctcac ggatataatc      420
aagaatgctg tgggacgacc tcgcctgac ttaatttcac gctgcattcc gaagaggggt      480
acccccgaaa acaagctcgt tgccctggact gtatgtacct agacgagtca acatgttctc      540
caggaaggat ggagaagttt tccgagcggc cacagcagct tttcatttag cgggctggga      600
tatctgtctt tgtagttct      620
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<210> 5012
 <211> 691
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc feature
 <222> (1)...(691)
 <223> n = A,T,C or G

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cattcggcggg cactatacaat aaacatattg qtctctacta tccgtacca cctgtccgt      180
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taatcggatg gatcttcgca acggcattat acctcatcgg cagcacaata atctaccaca      300
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aattcatcgg gattgcatta ccgcgcgtg tatcgggtgt tgcataaacc gcattataaa      600
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<210> 5013

<211> 718
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5013
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 ccgtcttctt agtcttcgtc gccgattctt tgggcgctcg acgtctctctg ctctggacct 180
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 catacatcat ttctgcctgt ttttgtttct caatgggcgt gtgggtttgg ttctttattc 540
 ccgaaaccaa aggtctctca ctggagaaaa tggatgagct ctccggtgct actagcagtg 600
 ntactcattt gaagactgaa gatgtagaga gaagtgcatc ccaagtggaa ggtgaccata 660
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<210> 5014
 <211> 642
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(642)
 <223> n = A,T,C or G

<400> 5014
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 aacctttccg cagccgctca aatgtctcaa gctgaagctg acctctatga ggtcctcgga 180
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 aatcaccccc acaaagtccc cgaggccgaa cgtgaagaag ccgagatcag attcaaggcc 300
 gtccaggaag cttacgatat cctctacgat gaagacaagc ggcattctata tgacacacat 360
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 gatatccttg cgcagatgtt cggcggcctg ggtggcatgg gtggtatgcc cggaggaccg 480
 cgcgcgaata aaccacggag gagcccgaac gaggagcana agtatgaggt taagttggaa 540
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 tgtcagggca agggaggcaa ggagaaagcg catgctaaga aa 642

<210> 5015
 <211> 671
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(671)
 <223> n = A,T,C or G

<400> 5015
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 ctacccgtac aactataatg tccgagttct cgcgcgcctc accgtcttqg aqcatcacca 180
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 aagaactcca gattcctacg ccggatggcg aatcattaca tgccctcttc cttegtccct 420
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tgctggagta	tcgcggctac	gggtctctga	cggcggtccc	ggacgaagca	gggctaanaa	600
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<210> 5016

<211> 717

<212> DNA

<213> *Aspergillus oryzae*

<400> 5016

cccatttttc	cttctttctcc	ttgtgagctc	ccaacgtccg	ccagattagt	gcctccttga	60
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aaccattggt	tgcgaccagg	ttgtttgtcgg	ccaggacgag	gtgaccggcc	gcgaggctga	540
cctcattacc	gcgactcact	atgccaaaga	gctcttgctc	cgtctcatgg	tgccccctgg	600
ccttctgggt	accgggtaccg	aggaggagaa	gaagaaggct	gccgccgaga	ggggctccta	660
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<210> 5017

<211> 816

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(816)

<223> n = A,T,C or G

<400> 5017

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cgattagata	aggaagaccc	gnaacgaaac	cgacattgcy	tcggctctgg	gaccgggggt	780
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<210> 5018

<211> 906

<212> DNA

<213> *Aspergillus oryzae*

<400> 5018

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<210> 5019

<211> 445

<212> DNA

<213> *Aspergillus oryzae*

<400> 5019

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<210> 5020

<211> 545

<212> DNA

<213> *Aspergillus oryzae*

<400> 5020

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<210> 5021

<211> 689

<212> DNA

<213> *Aspergillus oryzae*

<400> 5021

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<210> 5022
 <211> 710
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 5022						
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gccgtgcgtg	ctacaagtgt	ggcaatattg	gccactatgc	cgagggtgtg	tcttcgtctg	240
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<210> 5023
 <211> 737
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5023						
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<210> 5024
 <211> 714
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5024						
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<210> 5025

<211> 658

<212> DNA

<213> *Aspergillus oryzae*

<400> 5025

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<210> 5026

<211> 692

<212> DNA

<213> *Aspergillus oryzae*

<400> 5026

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catcaacaca	tcttcgagcc	catcggtctt	aagcatattt	caatgctccc	cactgaagaa	660
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<210> 5027

<211> 998

<212> DNA

<213> *Aspergillus oryzae*

<400> 5027

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gcggcgccgg	tgatgctgtt	tatgaagggg	acgccgagtg	cgccgcagtg	tgggttcagt	660
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agaatacggg	aaatagggtt	ctttatggcc	tgtttctatc	tgccctgcaac	acgatttggt	960
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<210> 5028

<211> 641

<212> DNA

<213> *Aspergillus oryzae*

<400> 5028

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<210> 5029

<211> 632

<212> DNA

<213> *Aspergillus oryzae*

<400> 5029

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agtcatacaag	tctggttggg	cttgtgtggg	gctgagcgtt	ctcagcgcgc	ttgctctcgc	600
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<210> 5030

<211> 690

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 5030

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<210> 5031

<211> 662

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc feature

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<223> n = A,T,C or G

<400> 5031

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<210> 5032

<211> 717

<212> DNA

<213> *Aspergillus oryzae*

<400> 5032

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ataaggaaaa	tgcgtatata	cqatggtatg	tcaaaatgaa	gcgctcggtg	atcatggttt	660
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<210> 5033

<211> 538

<212> DNA

<213> *Aspergillus oryzae*

<400> 5033

ctcaaaatgt	tcaagaaaga	tatccccccg	agcaaccgct	caaaagtga	atccagcgtg	60
cagcgcgcc	tccgccaacg	cttcgtagaa	gcatacccg	gcttcgaacc	ttacattgat	120
gatactctgc	cgaagaaagc	tcagctcgat	gctgttaaac	ttcccgaaaa	atgcaccctc	180

tacacaatcg	actccacacc	cctctttctac	caaccccaag	acggccctcc	cattccacac	240
ctaaaactca	tccaccaata	tcccaccgcc	ctcccaaccg	tacaaatcga	ccgcggcgcg	300
atccgcttcg	tgctagccgg	cgccgcgctc	atggcgcccc	gattaacgag	tcccgggggc	360
cggttaccgg	agaaggagaa	tgcgttggag	gcgggacagg	tggttgctgt	tttggcggag	420
gggaaggaga	cggcttgtct	tggtgggacg	ttgaagatgg	ggacggagga	tatgaagagt	480
aaggggaagg	gggttgtgat	ggaggatgga	cattatttgg	gggatgggtt	gtggagga	538

<210> 5034
 <211> 737
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(737)
 <223> n = A,T,C or G

<400> 5034						
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tgtgatcccc	accttttttt	ttttgttcca	tatcaggaac	tgtcagaaat	catggcctcc	120
atcgatccaa	atgtaccaac	aactacgttg	ccatatacct	gcaacacctg	tctcgttgct	180
tttcgcggta	gcgatgtctc	gcgggatcat	atgcgcaagg	actggcatct	ctataacatg	240
aagcgccgca	tcgcgtctct	gccccagtg	tcccaggagg	tttttaacga	caaggtcctt	300
gctgccaaag	ccacaactag	tgctgccgcc	gccaaagctt	cctttgagaa	gacatgtgtc	360
gcctgccaga	agacattctt	cagcgagAAC	togtatcaga	accacgtgaa	gagttccaag	420
cacaaggccc	gtgaggcaca	gatgcttaga	gacagcgccg	atgatgcac	gtctgtcatg	480
agttctactt	tctctctggg	cgagccagtc	aacaagcctc	gtgagcggtc	ggaggtgtcg	540
aaagttacgg	agagtctcaa	gaacgctacc	atcgaatacg	atgacgaata	tgangaaatg	600
gagagcaggg	catctcggcc	tcccgttgtt	ttttttgtat	gagaaatctt	aaaactttta	660
caaaacaccc	aagcccattg	tcagacccac	ggcttgttca	tccacaagaa	agactatctt	720
gttgatttgg	aagcact					737

<210> 5035
 <211> 679
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(679)
 <223> n = A,T,C or G

<400> 5035						
gagtatcggtg	ggaatagttt	aaagctcttt	atgaagcatt	ttcgagtttg	ttgtaattcc	60
attcgacttc	tacgacacct	agcttcttcc	ccctcaagta	ctacactctc	cacacttact	120
ccattcgccc	gaaagaaccc	attttcctgc	acagtcaca	cagcaatcac	ccaacgcaca	180
atggcaacgg	caatggcaaa	gcgcctcgag	ggcaagacga	tcgtcgtcac	cggcgcgtca	240
tcgggcacgc	gtcgagcac	cgctaaggag	ttcgctcgca	cggcgcccac	gaacctgaag	300
cttatactga	cagccagacc	aatcgaactc	ctgaaccagc	tcgcgcagga	gatcaaggag	360
gaagtgggtg	acggcggtga	gacattggcc	gtgaaactag	acgtcagcaa	cccgqccgaa	420
gttcagaaact	tgttaccctc	tctgcggggc	gagttccagg	aaatcgatgt	tctagtcaac	480
aatgcggggc	ttgtcaaggg	tggtgccaag	gcccctgaaa	tcgcgccgga	gqatatcgat	540
gtcatgttct	ccactaatgt	cactgggctg	atcaacatga	cccangcgat	tcttcgatn	600
ttcaaaancc	gggtgatggc	ggtcgtggag	acatcattaa	cattggaagt	atcgctggtc	660
cgtgaagnc	atccgggtg					679

<210> 5036
 <211> 762
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

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<400> 5036
tgatctaate ganaatctct caactganat ttngttaent tctatagnat anacaaanac      60
cttgctggga tccaaagtcg ttactagtag attatctctg gcgctttttc tgaaccattg      120
cacgcactaa cttaaagcact cttacagagg actaacgggc tttgctgggtg catacatttg      180
cctatgggga ctttgccgtt ttcaatgato ctgaccagga agagaatata ctgcagaaga      240
cgccagttt tttgaagtag ggctcttttc tagatatctc caacttggcc aaggttatgc      300
gaaactggct tggggatatt acatttcagg aagcatataa tagaacgcgc agaatactta      360
acatctgcgt ttctagtgcg ggaatatatg agcttcccaa gctattgaac tacatcacag      420
cacctaacgt gctgatttgg tctgcagtag cttgctcggt ctgggattca ttagtatttt      480
cgccgtttgt ccttatgggc aaaaatucac agacaggaca gcaatcaact taaaaccact      540
tcatacgtag tatatcgatc gtataccaga agcttaatta ccacttaacc gttctaaaaa      600
caatgatcaa ggataaccat tccattacgg aaccagttaa tactaagtcg atttccagaa      660
atcgaatcac tattgcatct cccaatggac catggaaacc ctctgatta gttccatttc      720
gaatgatcac agactcatac cacgaatcag ttaccatggt tt                          762
```

<210> 5037
 <211> 691
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(691)
 <223> n = A,T,C or G

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<400> 5037
ccactttgac ctccagaacct ttcatctcac accaaaaacc catattgata atacatccaa      60
ggaaagaacc gataagcaag atgacagacc atgtcgatgt cccagaaacc aacaaggcct      120
tcgtgcccc ctgaaacaac ccagaagtga tgtcgactt agtccaccag ctcggtctcc      180
caccaagcct aggtctcaca gacgtatact caatcgacga gccagacctc ctageccttcg      240
tccccgtec ctgcacgccc cttctctctg tcttccccgt ctccaaaacc tacgaatcgt      300
ccgcataat cgaagacagc aaagtcaccg actatactgg ctccggacct tcggaaccgc      360
tcattgtggt caaacagacg atccggaatg cttgcgggtt gatcggattg ttgcacgctg      420
tgtccaatgg agaggctcgg aaacaggtec ttctcggtac ggatttggat gggcttttgc      480
gggatgcgga gccgcttagt cctatcgaca gagcgaatct actatatgag agcaaggcgc      540
tagagagtgc tcattgctgat gcggcgaagt taggtgatac tacggcgccc caggcagagg      600
atttccgtga cttgcacttt gntgcgtllg tgaaaggggt ttgatggaan ggggtgtggga      660
cctgatggga ggangaaggg tncgttgnaa a                                691
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<210> 5038
 <211> 750
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(750)
 <223> n = A,T,C or G

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<400> 5038
ctggcgctga cgaggaaatc taaataaacc caaaatgccc gaaataatcg acgacaaatc      60
ccaacactgc atcccattcc tctggagcgc cttaaaagcc caccaagagc gattcggcaa      120
cgacccggcc agaaccacac cattctttct ggggttgaac ggcgccagg gagccgaaa      180
gacggtgctg gtgtccactc tacaatcgac tctggttcc ccgcataact cctccccgt      240
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tatcactctg	tcgctcgacg	atctatacct	cacccacgag	gaacagggtca	atctcgccaa	300
gtcgcacccg	gcaaateccac	tactgcagca	tcgcggaaca	ccgggggaccc	atgatctgcc	360
attagccaag	gaggtctttg	aatctctccg	cgcggggccga	gccacggcta	ttccgcagta	420
tgataaatcg	gcgtatgcgg	ggcaagggga	tcgcgtaccc	gagtcgcaat	gggagattgt	480
taacgggtgag	gggcaggaga	agataaaggt	cgttatcttc	gagggctggt	gtgttggttt	540
ccgcgctttg	gatgatcagc	tcctgcgcga	gaagtgggat	gctgctgttn	tcgcgaaaga	600
gaagggcgac	tatgatggac	ggctgggata	tgtgccgttt	gagggcccca	aggcttgtaa	660
tgatgcgctg	aaggactatg	atctgatcac	ggatcagttg	gatgctttga	tccatatnga	720
tgcccaagac	ctacacttcg	tctatgactg				750

<210> 5039

<211> 1091

<212> DNA

<213> *Aspergillus oryzae*

<400> 5039

gccaactacg	acgagctatt	gctgacccct	ggttcgaccc	tggtctctcaa	catcgctaca	70
caaagccagc	agttccagcc	aggcgacgag	ctactgacga	ccaatcatgc	atacagctcg	120
gtgaccatgc	tcctccgaca	tggtgcaaac	cgggatggcg	ccaaagtggg	cattgcgcag	180
gttccattcc	ccgttgcatc	tgaggaggag	attgtccaaa	gtatcctggc	gtgtgtgaca	240
gaacgaaccc	ggttcgccat	cattgatcat	attgtcagcc	gttccggctt	ggtgttcccc	300
atcaagcgca	ttgtccagga	actageggag	cgtggggtag	acaccctcgt	cgacgggtgcc	360
cacggcccgg	ggcaggtgcc	agtggatctc	catgacatcg	gggcagcata	ctacaccacc	420
agctgccaca	aattgatgtg	tgctccgcgc	ggggtgggat	tcctgtacgc	gcgtcgcgac	480
cggatccgcc	gtctcaagcc	cctgatcatt	gctcgctctg	gccactggcg	ggactcggac	540
ggggccgcct	acagttgggt	ggagcatacc	tttgagtggg	acggctgtca	cgacccatct	600
ggcgtgcata	gcattgccaaa	gattatcgag	tttcttgaaa	ccgcgctgcc	gggcgggtcat	660
gctgccatgg	tcaagcgaaa	ccatgagctt	gctgttgacg	cgcgcgggaa	agtgcctggg	720
atacttggtg	ttgaccttcc	ttgcccagat	gatatgattg	ccaatatggg	ggtgttcccc	780
cttccagact	cgggtgttacc	agagactcag	ggcattctcc	ctctgtgcaa	gacgctttgg	840
gagaatgata	gtgcagagat	ccagtgttac	cactggccgg	cctacccgaa	acggatcttc	900
cgatttagtg	ttcagctgca	caacagcatg	gagcagtatg	tctggctggc	ggggaagatc	960
aaggccgcac	tagatgagga	gactagaata	gcccagcac	atgctgcaga	ggtcaatggg	1020
cttgaacat	agaatcgagt	acgctccgat	gatagcacag	tgactcacct	catgaattga	1080
cttgagatta	a					1091

<210> 5040

<211> 760

<212> DNA

<213> *Aspergillus oryzae*

<400> 5040

gcgtcgtagt	atcccatctt	gcgagcaggy	ggataatcaa	ctacagtagt	agtgcattta	50
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tggttgcatc	tgtgcctcag	cccactatct	ccctccgcga	taatactgtc	gaagccacgc	180
tgccctccgg	cgaatctgtt	acgatccacc	tgtacggagc	tactgtcact	tcctggaaat	240
tagcaaatgg	caaagagcaa	ttattttgtg	gcgagaaggc	tcattcttgac	ggttcaaagc	300
caateccggg	cggtatcccc	gttgtgttcc	ctgtcttcgg	tcctcctcct	cagaaccatg	360
ccactctctc	ccttccacaa	cacgqctttg	cgcgtaacag	tacttgggaa	ttcttgggca	420
agtcatecat	ggaatccctc	ggcaaggatc	gcgcggyaga	tggtctctgt	aagcttgaat	480
tcgggtctct	ccgccccatg	ctcacagaat	atttccagaa	ggcatggccg	tacgacttcg	540
ggctgggtata	tagcgttact	ttgacccaagg	agagctctga	gacgtctctc	caggtgcaga	600
acaagggtag	tcagaatttt	gacttccagg	tattgatgca	tacgtatctc	aagatcgacg	660
acatctccga	tatccgcgtc	aagaacctcg	aatctaagac	ctacgccgat	aaaacacaga	720
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<210> 5041

<211> 683

<212> DNA

<213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 5041
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 tggagaagct ggcgatttat tgtgggtcgt tgtctggggc aaatattgcg ccggagggtg 120
 cggcgagaa gttcagtgag acgactattg gatatgatac gccgccgatg gatgtcaaaag 180
 ccgaggatgg aagtccggag gacaataaga ttaagattga tgagcagagg caggtgaaaa 240
 cgaggccgac gcatacaaaag ttgacgcggg tgccgcagga gcttgtgacg gttgatgcgg 300
 agctgtggcg gacgttgttt ggacgaccgt atttccatgt caatgtggtg gatgatgtcg 360
 cgggcgttgc gctgagcggg gcgctgaaaa atatcgtggc attggcggca ggtttcgtcg 420
 ccgggaaaag atggggagaa aatggcaaaag cggcagtcac tcgggttggg gtggtggaga 480
 tgggtgaagtt tggacggact tggttccccc agtctgtcaa tgagaggacg tttacggagg 540
 aaagtgcggg cattgctgat ctgggtgcac cttgtttctg tggaaaggaac tttccgtctg 600
 cgaagcatgc cgtggagaag ggggtgaatg tagatgagat tgaaaagact gagatgaacg 660
 gnnacagatt gcagggaacg tca 683

<210> 5042
 <211> 1049
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5042
 ggggccaccg ccgattcggc acgaggcttc agccaacgac agccgacgcc tcgtcaaaac 60
 acccaaaatg tccaccaccg ttcagaccgg caagaagcag cgctcggcca tcgccgatgt 120
 cgtctcgcgc gagtacacca tcaacatgca caagagagta cgttgaatca caacaggcta 180
 agacactagt cttcgtctat cctacttgca cacatcggtc gtattctcgt cgatcgaacc 240
 ccgatctgcg gaacaagaca aacaagcaag tttcgacatg gaggcaatgg acggagaaca 300
 ctgcaataat ccttctggca ccaaaacctt ttctctgtgg cttggaatac atctacagaa 360
 aagggaggga tgaacatgac ctgcttttgc gtgtgtgtgt ggaggaacaa tcatcaggcg 420
 ttcccaagaa accaagacca aaaaagaaga attagtttta tgaagtccac ctctatggcc 480
 gcaaatcttg ttcgcagatt tttctcaaga tcatattttt ccagatggc attcgggcgg 540
 aagactaatt caactttttt gtgggtatag ttgcacgggtg tttccttcaa gaagcgtgct 600
 cctcgcgcta tcaaggagat caaggccttc actgagcgtg ctatgggcac caaggatgtc 660
 cgcctcgacc ctgcccagaa caagaagggtc tgggaggccg gtgtcaaggg cgttcctttc 720
 cgtctccgtg tccgcactc ccgcaagcgt aacgacgagg agaacgcaa ggagaagctc 780
 tactccatgg tctacgccgt caacgtcaag gagaccaagg gtctccacac cgatgtcgtc 840
 gacgaggagt aaacggggaa aatctttttc atttccatat tagatatacc ttttgttact 900
 ctatgaaatg atggggtttc tctctgtttt tacgataccg tccgggtcgg gtcttgcctg 960
 gttgggttgg aacattttaa ttaaaaaaat cggaaaagtt tctgtccctg tcgtgaaaaa 1020
 aaaaaaattg aaaaaaaaaa aattcctgg 1049

<210> 5043
 <211> 668
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(668)
 <223> n = A,T,C or G

<400> 5043
 cgtctatcaa gccgagatat caccaaaaga aattcgagga cgagttatat cactgcaaca 60
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 cgacggcggc ccaaacacac ccacgcagag tactgctgct ttccgcattc cttgggggtat 180
 tcaaatgtga ccgggcgtca ttctcttctt tggcatgttc ctcttcccca agtctccccg 240

ttggctcgcc	agcaaagacc	gttgggagga	agctctgcag	gtgctatcga	agctacacgg	300
tcaaggagac	gtcaaccacc	ccaaggtcct	cgccgaatat	aaggaaatcc	angaagctct	360
ggcgttagag	cgggagcaat	cagctactgg	gtttcaagag	atcatcaagc	ctctcatttt	420
taagcgcgct	atcttgtgta	tgagcttgca	gatatgggcg	caactgtggg	gaatgaacac	480
gatgagtact	acattgttat	attatgcaga	agacacgacg	ctggatggcc	cttctaaccg	540
cctaatttaa	taatttttaa	tacgggtgtg	acccctcccg	ccttattttac	ctggagaaaa	600
ttgccggcgc	ccacaattat	attgggagat	tccttcagca	attttctttt	acttgaagga	660
gggagggg						668

<210> 5044

<211> 698

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc feature

<222> (1)...(698)

<223> n = A,T,C or G

<400> 5044

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tgcgactctc	gccaaatact	actctccgcc	tgaccccccg	gccggtgctg	cccccaattg	180
caccgattac	cccggcgcaa	acccctatcc	cacgggtcaaa	gaacagaagg	ccttcgaaca	240
gggtctcctc	gagaagacaa	acaagcagac	tagcgatgtg	atcctatacg	acaaccggat	300
cgctcgtctc	aagatggaga	gcgatgtcat	gctctacgtt	gacgggagtg	ctgatgagaa	360
cgaagttctg	ctttataatg	acgcgttgct	attgagggat	gctttgggta	tctagtacaa	420
gggtgctact	gacaagcgca	cgattgtcaa	gaactatgat	cttggttgctt	tggctatcga	480
tgagatcatt	gatgacggta	ttattctgga	gacggacctt	gttcttatct	cctcgcggtg	540
gagccggggc	cctcaggccg	atgcgccgaa	tctgaagagt	atcgatctgt	ccgaacaagg	600
tctgctcaat	gcctgggaac	tgtgaaagag	gcgctnngcc	gaaggcttgc	ggcaaattgta	660
gaggggctta	cataccactt	gggcgggctt	gaatgggc			668

<210> 5045

<211> 626

<212> DNA

<213> *Aspergillus oryzae*

<400> 5045

ctcaggttga	gatctggggc	accgccacgt	cccatgccgt	tgcttaagtc	agtgatcaat	60
gctgcgcggc	tggttgggtg	cgtcgccggc	cagtatttcc	ctccaacacc	cgaaggcttg	120
aagggtcatc	attcgaagca	tcaggaagg	gttaagatct	cgtacaaaga	acctgggtatt	180
tgcgaaacca	ccccagggtg	caaactcgtac	tccgggttacg	tgcctcttcc	ccccgggtact	240
ctcaacgatg	tgtcactaga	ccaaaattat	cccatcaaca	cgttcttttg	gttcttttgaa	300
tctcggaatg	atcctcgaaa	tgccctctct	tctatttgga	tgaatgggtg	gccaggaagc	360
tcctcgatga	tggcctgat	gcaggagaat	ggccctctgc	gcgtcaacaa	cgactcaa	420
actactgaaa	ttaacccctg	gtcatggaac	aactacgtga	atatgctcta	cattgaccag	480
cccaatcaag	tgggttccag	ttacgatgtc	ccaacgaatg	gtacccatga	actgcttacg	540
gggaattgaa	acdtttctcg	ctatccggac	gggtgtcccg	agcagaacaa	cacattttac	600
gtggggcaacc	ttccctagcc	agaaca				668

<210> 5046

<211> 668

<212> DNA

<213> *Aspergillus oryzae*

<400> 5046

ggcacgctga	acaattactc	taccaagatc	taccaaaaagg	tgtttcccaa	cgctgggtcag	60
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tggattattg	atcgatttgg	ggcgaatttc	cttctcattg	ttgggtggcat	cggtatggga	180

atctgcatga	tcctcggtgc	agcgggtcgag	accgaaaccc	catcaattgg	tgatcccggc	240
tcagacgtca	agagcacgcc	cgtcggcata	tcgatcgat	tcttactctt	tctattcatc	300
ttctttttaca	aaccttcttg	gggagctacc	gtgtggattt	ggacatctga	gattttctct	360
atgaatgtca	gagcccaagc	ggtgggaatg	gcattctcaga	cgcagaacgt	cgccaatgcc	420
atcgctccaac	agttcttccc	aacttttctc	aataactgcg	gcttctacgc	cttctacatg	480
tttgccggta	tcaacttctc	cttgctcagt	ttcggtgtct	tcttcacccc	cgagaccaag	540
catggttcctt	tggaagagat	cgatgctctc	ttcggtggcg	ctaaccacgt	caaacacggc	600
gaagaacttg	tggcgggtga	gaagcactgg	aagtgatgca	gtcaaacaca	cgtactgaaa	660
atgctgaa						658

<210> 5047

<211> 377

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(377)

<223> n = A,T,C or G

<400> 5047

cctcggtgcag	gccgtatctc	ccctttggag	cgggacgcc	ccgctgcac	ggggagaaat	60
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acctggatgg	acagacaggt	gtacctgaca	ccgattattc	atcgcttttt	tcggggccga	180
tgaagcctgc	acgaatccgc	tgggaacgtc	gggctgcaaa	atcgggataa	tcgattatct	240
cgagaaccaa	tccagcgtc	ataggtgtat	tcgcttttag	acgcctcatg	cgttatgatg	300
agctatgccg	gacgtgagag	agtaaaattt	ccttctaaat	gggtatttta	ttttttttta	360
tcaaaanana	aannnnn					377

<210> 5048

<211> 1289

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1289)

<223> n = A,T,C or G

<400> 5048

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atcgcgtaag	acttctcoga	tcttaacata	atacgttggc	gcattgtcag	gggtccgaat	180
cccgacatag	gtgaaagcac	gccactattg	cagcgcacca	atctccccc	ccttttcgag	240
cccgccgagg	gcttcgtgta	cggtctattc	ctcgactggg	ccgggatact	cgtcgcccgc	300
ctcaacaata	tctccctaga	ggactacatc	caaaagaaca	tttgcaacc	actagcgatc	360
acagacttga	ctttccacct	ggagaagaac	gacgaggttc	gctccaaact	agccgacttt	420
aatttccggg	ccggcgggat	aactcaattc	ggcaccocgg	cagacccaaa	tggttcaatc	480
ttctgganac	candcccdct	atqcccgag	ccggttgtcg	aagagtatgg	tggtatgggt	540
gtgttcaaga	goggacccgc	atttttgaaa	gttcttgcct	ctattttctg	gcaatgattg	600
aaaagattct	gcccctctgt	tactgtaaac	gaatatgttc	aaggatcagc	tatccgcgc	660
ctccaaggag	atgttgaaat	catcactgtc	cattccatag	ataaacaatt	ttcttgggtg	720
gacacccgta	gggctgcaca	agacttgggg	gctcggcggt	atactcggtt	tggaagatca	780
tacaaccggg	ccaaatgctt	gaagacttcc	gtgggctggc	ttgcccacac	tcttatgggt	840
gattgatgag	tcggttgggt	tgtgtggttt	ttatgcgaat	caactgtctg	ccactggaga	900
tcccatgagc	gttgagcgag	ctactgtgtg	tatccaatat	atgtatgata	gggtggaggt	960
gcttcgcgct	cacgtgtgag	ttgatggcta	gtctgcggat	gctacgcata	tcagctcagc	1020
cctgcctagc	taattgaccg	atctctgcgt	tgtctccaga	tcaacaatac	cttgagtcag	1080
cctcgatatg	ctacgtaatc	acgtgctgtc	aatatactac	ttgcgactgc	tacatccat	1140
ccagaccaag	ctcttctcct	gtacggtatc	tccaggccat	tgtccnagag	aaccgcgcgc	1200

ccctttcaat atgtaccgct cagcgacacc cccactgggtg gagctttttcc tgcacataag	1260
aggacgctag tttcttattc tcccagtc	1289

<210> 5049
 <211> 710
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5049	
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atggctgcc aacccgtcca aaatgggtct ttcgtccacg aaaacactac tccccccgag	120
caccccgct tgttgagtat gttctctctg aagggcaaga ccgccatcgt tactgggtgt	180
ggcgccggt tgggtcttgc tgcgccaac ggtcttgccg aagctgggtc caacgttgcc	240
ctatgggtga acaccaacga caagtgcctt gagcgtgccg ctgagatcgc ctccaaatac	300
ggtgttcaga ccaaggctta ccaggccaac atcacgatg ccgaggccgt gcaaaaggcc	360
qttgaccaga cgggtgaaqqa tttcaacggc cgtctagacg tcttcattgc caagccgggt	420
atcccttggg cccaaggctc tatggttgac ggccctctat cgcactacac cgacgttgtc	480
agcattgacc tcgacgggtac cttctactgt gccaaaggctg ctgcccggca ctggaggaga	540
cagaaggagg agggaaccga ccttaacggc aacaagttga ccaacttcac ctaccggagc	600
ttcgtggcta ccgcttccat gagcggtcac attgtcaact tccctcaaat gcaagcttgc	660
tacaacgctg ccaagttggc tgtatccatc tctgcaatct ctctcgggcc	710

<210> 5050
 <211> 592
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(592)
 <223> n = A,T,C or G

<400> 5050	
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aggccgcata tcagcagcag atcttggaag tgaacaacgt caagaattcg tacctcatca	120
gcataaacgt gacaaacaag ttgaagggaac ggttctacca tgaatacgtc ccggagctac	180
tagatagcct gcaaaacctc aacgaaatgc gcgtatcgaa gttgaattca ctatgggtc	240
ttgcggcgca actggaaaaa tcttcattat ctaagagtat ggaacacatg gcccatctac	300
tcaacgaaat cccacgggat gtcccacacc tcgattcgtc catgttcctg cgccacaatg	360
tcagccagtc ccaggaacca cctaataatga cctttgagcc tagccctgtt tggcacgatg	420
acgaagcgtt tgtcaccgat gagactgcga aggtcttctt gcgcaacctt ctcagcaaga	480
gtaaaacaca ggtccgagaa ctgagagttg aggccgacca gaaacgcagg gatgtcgaaa	540
cgtccaagcg gatccgcgag aacatccaac aaggcanaga ctacctgagc ga	592

<210> 5051
 <211> 689
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(689)
 <223> n = A,T,C or G

<400> 5051	
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ctatccagac aactgtgact tcagagaatt aattgtcacc cttctcagcg aggtctgctg	120
actctggaag aactgccagg tattccccgag cgtccttaac aaaccacaag agtctctgcc	180
gcccgtgata aatattagtc atatcaaccc tcgcgctggc atccgcacatc ttctggccgg	240
tgatcaaaat gagcatgaan aaggtctcga taatactagg qggaatatcc gaaatcaatt	300

gccccgtcgt	actccacctc	attgcactcg	aaccaatcac	acagccaata	gtaagcagga	360
agccagcaac	caccatgagc	agatgcgagc	agacgttccc	catagcaatc	gagattcggt	420
gagtgcacaga	ggatgtatca	aaattatctt	tgggcgggac	tgccatctgc	gtcttagcga	480
agagcgtcat	gtctcttttc	tccaggetct	gaatttgaca	aaccgtgtac	tccttcacct	540
tgctttggat	attgcgcaga	atgaaactgt	cgaatagacc	gatcagcccc	gcgtatgtgc	600
caattaggag	cccaccaatg	tcattgaagt	ggaagaaccg	tccgactgcg	gccccaaagca	660
cgatcaccgc	tatgagaatc	atgatcccn				689

<210> 5052

<211> 663

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(663)

<223> n = A,T,C or G

<400> 5052

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ccaagggcga	cgagggtgtac	gagcgcaaca	agcagaccaa	gacgagtggg	gcagacgtta	180
tcattgtggtc	aggcagcaag	gacgaccaga	ccagccagga	tgctcagatt	cagggacaag	240
caaccggtag	gatgtcatgg	gcgtttatca	gcgcctccg	caagaaccct	caacagagct	300
atgtacagct	gctaaacagc	attcggggacg	aactgtcgac	caagtacacg	caaaagccgc	360
agctcagctg	cagtcaccca	ctggatgtga	acctccttta	tgtgatgtaa	ggatttgggc	420
ttatggatgg	ttcttcaggc	acaaactttg	catcgggata	gtattgacat	tntacacgga	480
catgtttttc	tttttcattc	tttgttcctg	cccgattttc	aaaacttgca	ttgctttctg	540
cccgagtgtc	ttgttagttt	cctatgattt	tcttgataac	attcattttc	atggagtcgc	600
acaagacatg	gnctacttgg	cgcataattta	catgctttta	atnattctct	acaaacaaac	660
ctg						663

<210> 5053

<211> 972

<212> DNA

<213> *Aspergillus oryzae*

<400> 5053

gctcgtgtgt	actgaggata	gtatgcttat	ggccatggct	gtcctgctgg	ccttggaatc	60
tgctgcacat	gagaaacctg	ggatgtactg	gaaaagctta	cggacgctcg	tcaacaagac	120
tagcgttttg	acgttgaaag	acgggtctgag	ccagctctcg	gacgccctgg	tcgacgtttt	180
gaagaaatcc	aagaagggtg	acgtgttggc	aaatacggac	gttaagtcca	ttactcagaa	240
cccgatgacl	gacgatctta	ttgttggatc	tggacaggac	aggtctcgaa	tccacaaccg	300
cgtgattgct	acaattccag	ctcccgaact	ggcaaacaag	ctcgcgacta	cgacagtcaa	360
agaccagaaa	gtacctcaaa	gtactattcg	gaaccttcaa	gagcacaatt	atgctgtaac	420
agtcattggt	gtcaacttgt	atttccctaa	cccagacctc	ctcccggtea	gcggcttttg	480
atatctcata	ccgcgatcga	tcccttatga	gcagaatccc	gagagggcat	taggggttat	540
atttggatct	gattctagcg	tgggtcaaga	tactgcaccc	ggcactaagc	ttacagtgat	600
qatqqqtqqc	cattgggtggg	atgggtggaa	agagtcggat	tatcccgaac	atgacacagc	660
tgttgcaatg	tctcgtgggt	tgtttcaccg	gnatctgggc	attacggatg	cqcccaactat	720
aacgagcagc	cggtcgcagc	ggaatgccat	tctcgaatad	actgtggggac	acttgtctcg	780
catgcgcgaa	ctgtctcggg	ccacacggna	cgagcttaac	aatagactta	ctctggcagg	840
aagttgggat	aatgggtgtg	gtgtgacgga	ctgtatccga	caggggtatt	tagcggcgctc	900
gttcggcgctc	gggtgctcgaa	agctggggccc	cgytgacggg	gatcgccctt	gggagaggtt	960
cgaatatgaa	aa					972

<210> 5054

<211> 652

<212> DNA

<213> *Aspergillus oryzae*

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<400> 5054
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atthttgatattttcggaacca tcagtttggc atcatggaga cttcgtgcgc ttggatcctc      120
agactggagg ggtgggtcatg ctagggtcgga gcgatggcgt cctgaaaccg gccggagtta      180
ggttcggaag tgcagaaatc tacaatatac tgctcaaaca cttcgcagaa gaagtggagg      240
attccttggtg catcggacgg aggcgagacg gaattgatac agatgagact gttgtcctct      300
tcgtgaagtt ggcctcgcag gaaaagacca tacctcatga gctggcagca cgtattcaag      360
caactatccg caaggagctc agccctcggc atgtcccggt catagtggac gcttgtccgg      420
gagatccggt cacgtccaat gggcaagaaa gtcgagaatg ccgtgaaaca gattttgtgc      480
ggcctgaata tcaagatcgg cgccagtgtt gccaatgcct cttgccttga ctgggataga      540
acatgggcta cggggaattt gtaacagact cagtttagat aaatctacaa ttgattgcac      600
aatcatcaaa tagcggtaga actagagttt acgtgataaa tgtgtgtatg gg              652

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<210> 5055

<211> 158

<212> DNA

<213> *Aspergillus oryzae*

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<400> 5055
gtccggtgcg gaagaccgga tgggtcaagat ctgggatccc agaaccggta aatgcgagcg      60
caccttcacc ggccattccg gccagtgac ctgtatcgggt ctcggcgaca gtcggtttgc      120
gaccggcagt gaggattgcy aagtgcgcac gtacagtt              158

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<210> 5056

<211> 701

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(701)

<223> n = A,T,C or G

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<400> 5056
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cttgatatttt ttcaatgtgt tgaacgcgac tgccatcaatt attcttggct ctgccccata      180
caacttcagt accgcaatcg tcggcctttc ctacattgca tgttgtctcg gcgtggctct      240
tggcgctatg ttcaccggtg gattcagcga ctggctcact atccgactcg ctgcgccgaa      300
caacggcacg atggaagccg aacaccgcct ctggccggtt ctcatctgtc ttgtcatcct      360
cccaggatcg ctgatactct ggggcgtcgg tgcagcgcat gaagtccact ggtttggcct      420
cctagttagcg atgtgccttc tcgcgatggc gaalacttgc ggtgtcaccg tgagtgtaaa      480
ctacctcggt gacagctatc gggagctgag cggcgacgcg atgacaagta tcattttatt      540
tcgcaacaca atgtccctcg ctatcgggta cggcatcacc ccctggatca ataatatggg      600
ctacaaaaac ttgttcatct ncggcgcatc cattcggttg ggctgtgcaa cccgttttct      660
tcgcatggtc aatacggcag gacactacgc atacgtagtc g              701

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<210> 5057

<211> 801

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc feature

<222> (1)...(801)

<223> n = A,T,C or G

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<400> 5057
ggaaaccgga agagaatata tctcaaaatg gttcccaaga agggcggrga gaactccaag      60

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cagaagcgtg	cagctgagga	ggataagcag	tgggcgaagg	gtgctaagg	taatgctaag	180
aaagaagcag	aggaagccaa	gaaagcagac	gcagcccgc	agaaagccga	gcgcgatgct	240
ctactcgccg	ccgaagaagc	ctcccaaccc	tctaagccta	agggcaaadc	gaaccaaccg	300
gtcaagaagt	cccgtggatt	ggatctctcc	cagctcgacg	atcagcctgc	gtctcgtaaa	360
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aaggagtcgt	cgaagatcga	tcgccatccg	gagagacgat	tcaaggctgc	ttatgcggcg	480
tatgaggcgc	gccgaatgcc	cgaggctggag	caggagaacc	ctggtttgcg	gagacagcag	540
cgtatagagc	tcatacaaga	ggaattcgac	aagagcgagg	agaatctttt	caccaggctc	600
atgtctcggt	cgatgcacgc	aggatgagat	cgccgcttgt	cccgaccgcg	gagaggagaa	660
gaccgaggca	nattgacgaa	ttaaggccgt	ttctttttcta	cttgcttcaa	tggggctctgc	720
atgtccctta	aaggaagagg	gctacctggg	cgcttttttc	acagggcact	tgaaggggtc	780
ctgggccttg	attaccggat	t				801

<210> 5058

<211> 683

<212> DNA

<213> *Aspergillus oryzae*

<400> 5058

ggaaactctt	tccgcggggg	tagctgcagc	gcacaatgcc	tacggcccat	caaagtccac	60
accagccctt	cccacgtgta	ttatatctct	ggtgcaggag	aatgagagga	acacatttga	120
tcaattggcg	cttttcaggc	agctgaccaa	ggttcacaag	ataccgcttt	tccgtctgct	180
cagctccgag	attctagacc	atacgtcgat	ccctagctcc	aacccatcac	ggccccctgt	240
atactcgctt	ccccactccc	cagaaacgca	attcgaagtc	acgacagctt	atctccgggtg	300
cttctatgcg	ccaagcgatt	tcaaatecga	gcgtgactgg	gaagcacgga	ctcacgttga	360
gcgttctgca	gcgatcaaat	gccctacagt	tttaaaccag	ctggccgggt	gtaagattgt	420
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cgacccagcc	gttgttgcaa	ggctccggga	aacctttgca	cctcaatatg	atctgtcttc	540
tgggtggacgt	ggcagggacc	ttgccttgaa	tgtcgaaaca	gccatgaacc	acgttcttaa	600
gccccagcgc	gagggagggtg	gcaacaatat	ctacaaggaa	gccattccag	actttttgcg	660
ctctatcccc	gaaagcgaat	ggg				683

<210> 5059

<211> 693

<212> DNA

<213> *Aspergillus oryzae*

<400> 5059

cgaggcaatt	caccaggaca	atgttctctc	aacgcacagc	cttcgccctc	gcgcggcgca	60
ctcccgtcag	ggcggttgct	gcccgcctct	tctctctctc	cgtcacccgc	tccaacaagg	120
cgaagtaagc	tgttgagaag	gatggcaaga	tcctttcttt	cgaagagatc	aagaccgagg	180
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tgaccgtctc	tcgtgaccgc	cccatcgagc	gctgcggcga	gtgcggcaac	gttgtaagc	480
tcaactacgt	cggacccttg	gaggatgccc	atgaccacga	tcacgggcac	gggcacgggc	540
acccccctcc	cagggagccc	aagactttcg	ccgactacgt	caagcctgag	tactgggtacc	600
cggtaaatat	ttgacacaa	aatagcgcag	tcataatttt	attctcaccg	gggaaataac	660
agaagaatta	tgaaaaagag	agaaaggggt	tgg			693

<210> 5060

<211> 625

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(625)

<223> n = A,T,C or G

<400> 5060

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caatggacca	gttacttggg	agaattctct	ctggagcctg	ctaaccaact	ttccacggac	120
gatttcgctg	gctggctggc	tcttcagacg	aaccttgccc	ttaagggat	tatcggtatc	180
aatgccatga	gcaagctagc	cgaagtggct	ggacacaaa	cgaatgcatc	atattataag	240
aatatcgccg	atacctacat	cgcgagtgg	gaagaattcg	gcatgtctcg	agacggcacg	300
catgctaaac	ttgcctatga	ctgggtatgga	tcttggaacta	cgatttataa	cttgatgctg	360
gatgccccagc	tttgcttcca	cctggagggc	accgacattt	tcctgcaca	tggcagtcaa	420
aagtcaactcc	actcacactc	cggaagagt	ggattcntnc	cacatcacat	ctacccaaaag	480
cagtccatct	tgggtccacta	ttgtccgcaa	aagtacggtc	ttccctggac	aagccgcctt	540
tggacactta	aaaaaaaactg	gaagtctttt	ttttggctgt	ggcaatgaag	aacttcctat	600
gagaacctta	aatccccccg	aaaat				625

<210> 5061

<211> 619

<212> DNA

<213> *Aspergillus oryzae*

<400> 5061

actgtatccg	tgccggatca	ctcaaccata	agagaattag	acacaagttg	atgattgcag	60
tgtatgagat	cacagtgacc	cattgactca	tctcaatgcc	accatagata	tagacaagaa	120
tgcattggaaa	aagaggtcgg	gatcagtgac	atcaaaactag	cccacttata	gtgtccctgt	180
caagagatca	acagacatcc	agactgaact	cgggcccagg	ataaaaagaca	tccacaggct	240
tgtgatgtat	cccagatgtg	atccactctg	catcggccta	cacttgcct	caggaaaaat	300
tcatgaactc	gataacagta	tatcccactt	actatccaac	cgtcaacact	catcactcat	360
ggcagatac	cacgagaaac	actcaaaaaca	tggtaacgact	cttaaatacag	acatgataac	420
actcaccact	catgtgcaac	atccaccata	atcacgagaa	cgcacgtca	ccatcataca	480
ccaccaacat	cagcactcac	caagaacgtc	acaacattca	acatcctcaa	cgaccgtatc	540
ttcatggata	acgcaggaca	agaaactggt	aaaccttggt	gcaatcacca	cacgaaaacc	600
gaaacaatgc	gattctcag					619

<210> 5062

<211> 676

<212> DNA

<213> *Aspergillus oryzae*

<400> 5062

cgaccctgtc	tttctcttct	tcaacatttt	cgtcagcctc	catccagccc	cgacagttag	60
cctcaatcga	taaataagtc	cagctctttc	aaaaaaagca	ataatggcta	ctttccaggga	120
tctgtctcag	cacgctattg	ctcagcttga	caaggagctt	tccaagtacc	ctgtcctcaa	180
caaccttgag	cgtcaaacct	cgtcccccac	ggctacgty	atccttggtc	tggtcgggtg	240
ttacaccttc	ctgggtttct	tcaacattgc	cgggtgaattc	cttggttaacc	tggccggctt	300
catcatccct	ggctactact	ctctcaacgc	attgttcacc	gctggcaagg	ccgatgacac	360
acagtgggtg	acgtactggg	ttgtttacgc	cttcttcgcc	gtcgttgaga	gtgctgtcta	420
tgtctcttaac	tggttccctt	tctactatat	cttcaagttc	ggcctcgttc	tctggatggc	480
tcttccccag	accaacgggtg	cccaagtcgt	cttccactct	ttcattcagc	ccgtctttgg	540
ctgcttcttc	gttgggggaa	acacctcagg	caaccttcgc	gcccaggctg	atgctgctac	600
caggccccag	taaataagact	gtacaaaggtg	agatggcatt	cgggtgtgtg	cttgggttgc	660
catgagccag	gtccgt					676

<210> 5063

<211> 674

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(674)

<223> n = A,T,C or G

<400> 5063

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acgtggcgat	tttaattgtct	ctgcgagcgg	agacggcgctc	gccaaaactgt	ggaacatcac	120
gtctggccac	tgtgtcaaag	aatttcacag	taaagatcgc	ggactagcat	gcgttgagtt	180
tagtgaagat	gccaggacta	tcctcaccgg	tggtaacgat	caagttatat	atcagtttga	240
tgcaaacact	ggtgatattg	tcaatgagct	gaaaggccac	gaagggttag	tccggtctct	300
gcacctggac	agtgcgggac	agcggatcgt	cagcggaagt	tacgatatga	gcgttaaggt	360
ctttgacgcg	cagactgggg	agttgtcaat	tgacctaccc	ggctggacca	ccagctggat	420
gttgagtgtg	aagtcggact	atcgacgcac	ccttgccaca	agccaggatt	ctcgagctgt	480
catcatggac	tttggttatg	gactagatgg	catttgaaatg	ttagaggaat	agacggacag	540
ccctagacat	atagttgctt	tttatctgct	ccatcacagg	aaaagttncg	gtttcaaggg	600
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<210> 5064

<211> 896

<212> DNA

<213> *Aspergillus oryzae*

<400> 5064

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aattatccgc	atcttcttcc	ccgagtcgaa	gcaattcctc	gaagccaaga	aggccggcaa	180
gaagtcctatg	agcgcggggg	cattctggaa	agaaaaccaag	cagatgctgg	gccaggagtg	240
gaagatgtgt	gtgtatgcca	ttattctcat	gacctgggtc	aactactact	cccacacttc	300
acaagactcc	tacaccacgt	tcatgttgac	gcaaaaggga	atggaaaatg	ccggcgccctc	360
ccgcgcaccc	atctctcatga	aaaccgggtgc	ctgcgtcggt	ggaacaatca	tccgatacct	420
gtcccagttc	tttgcccgcc	gacgagccat	catcgtttctg	gccttgattt	cgggcattct	480
tatcccagcc	tggatccctcc	cagagggtga	acgcgcgttg	agcgcaacgg	gattcttcat	540
gcaattcttt	gttcaggggcg	cctgggggtgt	tatcccaatt	catctgaatg	agctctcgcc	600
accggctttc	ccggcctctt	ttcctggaat	cacctaccaa	gtgggaaaca	tgatctcatc	660
gccctccgca	caaatcggtc	aacgcgctcg	ccgaaaagac	tttcatcact	ggttcgactg	720
gtaagccggc	gcccgtttac	gggcccaacca	tgggcgtggc	tacggccatt	atcgcgacag	780
gaatcattgt	caccacggca	ttccgaccgg	agaaacgtgg	acgaagattc	cagactgctt	840
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<210> 5065

<211> 649

<212> DNA

<213> *Aspergillus oryzae*

<400> 5065

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gaccattcac	catgtccgct	ccttctctct	ccagctacat	cgtcaagcgc	ccttggtcca	120
agcgctggat	gatgccatt	gccaatgggt	acaccgacgc	cgccggctac	agaagactcg	180
gtttgaaggg	tgatgacctg	atccccgagg	agagcgaggt	tgtccagact	gccatcaagc	240
gctttccccc	taaggaggcc	tatgaccgtg	tcttccggtat	ccgcaaggct	ttccagtgtc	300
ccgtttccca	cacctctctt	cccgctaatg	agcagaccac	gcctgcagat	gatgtcgaat	360
acctagagcc	catcatccgc	gagatcgaga	aggagcagaa	ggagcgcgcg	gatctcgact	420
ccctcgttgt	caaacgcggg	taaatagctt	tggtctcagtt	ctgctgattt	ggaagattca	480
aaacgcgcgc	atggtgatag	aaaagcggga	tatagatgaa	gacaggctta	tgtttcgggt	540
cggttgagag	gcttaatttc	gatgagcact	ggctgaattt	aattggtttt	gatacgtcgt	600
tgtatcatgt	gtactgatad	tgtacaaatt	catttgctgc	catttgctg		649

<210> 5066

<211> 677

<212> DNA

<213> *Aspergillus oryzae*

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<400> 5066
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cgcattcgtg ctcaacggag cgcgagtgat catggtgaac cggaaagaag aacaaggcca 180
agcagccatc gacaagatca aggaggaagc cggtgccgac gcaaagattg aatgggtacc 240
atgcgacatg ggaaacttgg cacaatcaa agaagtattc accggtatcc gtgagcggga 300
ggagaggctt gacctgctca ttctttctgc tggaatcaac gccaaaccagt acggcgagac 360
gcatgataag attgatcgtc acttccagggt gaactggctg ggccaattct acgtctgcaa 420
cttactcttc ccactgatcc ggaagacatc caaattaccg gatacgctg ctctctgcat 480
tgtctgggag acatccgagc agcaccgtgc cgcgcctaag gtagtcatt ttgatctct 540
ggacgagatc aataaccctg cgaatgacaa caccgagcta tacgggcggg cgaaactacc 600
catcatcctc ggtgtcaagt atggatTTTT ggatcgaatg attaaccca tgaagaatac 660
atatatgggc tttctgg 677

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<210> 5067

<211> 713

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(713)

<223> n = A,T,C or G

<400> 5067

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gaatctgtca atagatgcat ttccggagct ccttccaaa gattttgggt tcaatcaaca 180
catggtcatc aaccaagagt ttaaagaagc cttacgtcaa atcctttggc aatttcgggc 240
accgatccga tacgcattcg cctatggttc gggcgtcttc acacagtcgg ggagtgcctc 300
tggtccggc cagtgtcacc cgtctgctcc ggctgcaatc aagaacatgc aacaaggtea 360
gggtaagatg attgatttta tctttggagt gtcgtactcc caacattggc actcattaaa 420
cctccatcaa catcngnacc actactctgg actgggatct ttagggctct acgctgtcgc 480
tcaaacacaa gataggttcg gcgcgggtgt gtacttcaac ccataatatc ccgttaatgg 540
cacgtngatc aaatatggcg tttgtaatct cgacacatta tgtcgtgatc tcagccaatg 600
ggacacgcta tatcttctg ggcgggtaca gaagccagg aagattctgc gtgaccattc 660
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<210> 5068

<211> 1270

<212> DNA

<213> *Aspergillus oryzae*

<400> 5068

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tcggacagcg aagcgacgat catcctggag aaccctagat acaccaaacg ttgcactttg 120
attactctaa caccacccaa atcaagagca gcgacctgat actcaatcca acagtccega 180
cagagcagta ccgatcaacg cgatgatggg ccataaactc caatgcccc attccccgtg 240
tccccacgac cagcaaateg caccgtcggc aaaggaaccc gcaataaagg ccaacaangt 300
ccatccagat gacttggggg tgccgaatat cgaggccacg tagaccgaca gccccatgta 360
aatgtccggg aatccgtaga cgtacatcac actgttccag agctgtctgt ccgcggttac 420
ggttgggtgg gtccattcga agaagglaag ggcattggtc ggccgtatga gggcgttgat 480
qccgaaaccc aggatqatgg tgccgaaggc gttgcccgcc agacgcaggg ctgtgttttc 540
ggagaggggg atcttgggag gtatcgcggt ccagtcataa tttcgagncg ggcaaggga 600
atgtcgcggt taagcaaaaca aaaggatcac gatagctttg gttgagaact ggaaaaaaa 660
aaaattcctg cggccgcgaa ttcttccagt aagaccaagg gtaccgcggt tgagcgcaag 720
aagaaggacc ccaacgcacc caagcgtggg ctctcccgct acatgttctt cgccaacgac 780
aaccgtgaga aggttcgcga agagaaccgg ggcattctct tcggtcaggg tggcaagatg 840
ctcggtgaga agtggaaggc cctgagcgag gctgacggcc gtccttatga ggataaggct 900

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gctgccgaca	agaagcggtta	cgaagaagag	aaggcgcaat	acgccgctgc	cgctgaggag	960
gatgaggatg	agtctttctta	aaatgtttct	tctcctcgta	ggctcttgta	atcttgaccg	1020
actggcggtt	cgtgttggtt	attcccgtta	atggcctcac	ttgtatttgt	cgccctctat	1080
atttcctttt	actcaatggg	ttctgggtatg	ggatgacggg	ggttttctct	tgcttttctg	1140
ttcatgaagg	atcttcaatg	ggacatgttt	actgtatgga	ctggcggtct	taggacgaat	1200
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<210> 5069

<211> 974

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc feature

<222> (1)...(974)

<223> n = A,T,C or G

<400> 5069

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tgattcctat	cttgcccgtg	gacaacctcg	agcaggcagt	cgacattgcc	aatggaattc	180
aggccactcc	tttgggtctt	taccggttcg	gttttaaggt	tgatacagaa	aagattcttt	240
cttctactcg	ctctgggtgg	gtctccgtca	acgacgctgc	tttgacatt	cccaccctac	300
cattcggtgg	tgctgggtgaa	agtgggtcacg	gcgcctaccg	tggcaaggcc	agcttcgacg	360
tcttcgttca	ccgtcgctcc	attactagca	cacctagtgt	gctcgaatcc	atcctctcaa	420
tcggttacc	accatatgcg	ggtaagctga	ccaagttaa	ggcagccaac	acccttgac	480
ccgatttcga	tcgtaacgga	aacaagatcc	gattcggtcg	gctgcgttac	atcctaactc	540
tcggcgagg	ctctgcgaag	gctgggtgctg	gcaaagccgt	cgttgctcgt	gctgtggcct	600
atctcgtgct	tcaggttctt	gaacgcgcgc	cttcgaagct	ttaatatgac	ctaataat	660
cgattcggat	atataatatt	tttgggttcg	tagcgttgct	atattgttga	aagtgtattg	720
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gactcaactg	cttctcgctt	catcacgggt	ttggttctat	gtattctatt	tgaacgtatg	840
tcaagtatca	ttattcgatc	catgcgaatg	atgaatgctt	atcctctcca	aaaaaaacac	900
aaaaacaaaa	aaannnnn	cgcn	nttctctcgg	ccgcgaattc	cgtcgtgcag	960
gagctcta	atct					974

<210> 5070

<211> 1727

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1727)

<223> n = A,T,C or G

<400> 5070

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gggaccagtt	gaaaccaaag	cggaaacgcaa	gtcgattcga	gacctcaatg	aagaagagtt	180
agataaactc	atcgaggctt	ggagatggat	tcaagacccc	gggagaacag	gcgaagaactc	240
atTTTTctac	ctagccgggc	tgcatgggtga	gcctttccga	ggcgcgggat	acaacaattc	300
ccactggtgg	gggggatact	gccatcatgg	aaacatcttg	tttccaacct	ggcaltcgtgc	360
gtatctgatg	gctgtggaga	aggctttatg	caaggcgctg	cngatgtct	cactccata	420
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ccgcttggcc	aaatttcccg	atgcagacta	cagtaagcca	caaggctata	aaacctgcgc	600
atacccttat	tggggccttt	gtggccagga	cgacattgcg	atagctcaac	agcacaacaa	660
tttcttggat	gccaatttta	accagyaaca	gattactggt	ctgctgaata	gcaatgtcac	720

gtcatggcctt	aatttggggc	aattcaccca	tattgagggc	aagcaagtca	aggccgacac	780
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ttcggctcaa	cgatggaatg	atgaacagtt	ccatccactg	gagtcgggtg	gtaaagagac	900
agaggccaaa	gcaacctcac	tcgctgttcc	cctggaaagc	ccccataatg	acatgcatct	960
cgctattggg	ggagtccaaa	ttccgggctt	taacggtgat	caatatgctg	gcgccaacgg	1020
cgacatgggg	gagaacgaca	ccgcctcatt	cgacccgatc	ttttaacttc	atcattgctt	1080
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gatctctggc	aacacctggc	ttaccttgga	cactccctt	gacccattca	gagagaatgg	1260
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ggctatctcg	cagacagacc	ataccggcaa	agctcaagtc	aaaggatatg	aatctgtgct	1500
tagtagatgg	catgtacagg	gctgcgcgaa	ctgccagact	cacctaaagca	caacagcatt	1560
tgtacctctt	tttqagctga	atgaggatga	tgcaaaaaga	aaacatgcta	ataatgaatt	1620
ggcagtgcac	ctgcataacta	ngggtaatcc	anqaggtcaa	agagtgcgca	atgttaccgt	1680
gggaactatg	agatagatgg	agggtcggct	ttatagttat	ttttatg		1727

<210> 5071

<211> 711

<212> DNA

<213> *Aspergillus oryzae*

<400> 5071

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cagcgttctg	tcagaacttc	gtgcgcgaat	tctacgggtt	cttggaacca	tgcttgcggt	180
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aattaccaag	ggcgacgtcg	ttttccttgt	ggacgacatc	tggcgaggaa	agagtgcctat	420
caccggtctt	cctggccgac	tcctcctcgt	tccatgggag	cggcccgcct	gcggcttcgt	480
gcctgaccct	gagtgggaga	agcaaggaca	gaaattccta	ccgtttgagc	tgaaggacct	540
tgtgtgtatg	accaaggagg	agagcgcccg	acacgagaag	gaagttctac	tgtgtggaaa	600
gacaccagaa	gacctatacg	acgagaaaac	aatccagacg	gtcatggagc	gaatggagga	660
cgcgggatcc	tacgagagat	ttcggtagat	gacttccaat	cttgtaacat	a	711

<210> 5072

<211> 390

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 5072

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gtctcggcct	gggtactcct	gccatgacta	cccggtggctt	ccagcccagag	gacttccgcc	180
gggtggccga	tatcgttgat	cgcgcggta	ttatcaccca	aaagctggac	aaggctgcca	240
aggagagcgc	tgccgctaag	ggcgtaaga	acccgaacac	tgtcaaggcc	ttcctggaat	300
atgttggtga	gggtgaggag	atttcagaga	ttgtgctctt	gcngcangaa	gttgaagact	360
gggtggggac	ttttaagcct	cctttgaaa				390

<210> 5073

<211> 672

<212> DNA

<213> *Aspergillus oryzae*

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<400> 5073
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ctcctgccca aggagttggc ccaattttaca gacccgatgg cgagaagcca acagcgacag      180
tgtcgaaaga cataccttat gaaaatgtcc atgtcttgcc tcaaacacccc cagttgatcg      240
ctcttctaac tatgatcaga gataagagaa ctggacgtgc cgatttcata ttctattcca      300
acagaatcat tccgttattg ggggaaaagg gtttaaacca ccttccatgg gttgagcaac      360
cggtgacaat tcttgtaggc cgaacctatt tccgggtcaa gttcgaaggt aaaatatgcg      420
gcgattccat tttgaaacca ggcaaggcaa tgaaccaggc ctgagaaaat ggtgtgcaac      480
aagttgccat tgggaaaaaac ctatttccag agagttgtgg acatatcgca cgggaaatct      540
ttttatcaga aactctctct gtgagataat ttccacgata gggggttaca cacctgaggc      600
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<210> 5074

<211> 768

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(768)

<223> n = A,T,C or G

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<400> 5074
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cgtgacacac attgtcacgc cttgcatggt gaaaccaagc ccatcgaaaa tccagattgg      180
aacgatattc tccgcaaaca cggagttatc cgggagaagc ctcaggaccc tgaacctctc      240
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gatttggaag aactagatga gctcgaggac gaagaggatg aagagttcct tgaacaatat      360
cgaaagcaac gtcttgcaag ctctctctacg ctccagaaaa ccagtcctata caaccaagtt      420
tacctcttcc agaaggtcga ctatggaaga gaggtgactg aggcattcaa taacgccttt      480
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atgtgcattg aangggatc cgagagaaac acaccaacaa tctagtgtga taaggatggc      660
gagataagaa aacagctcgt aacacttagg gaactgaagg ccctangacc aatattgaaa      720
totcaaaggg atgtctctaa actaagcccc ctaaggagaa tgatgggc      768

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<210> 5075

<211> 650

<212> DNA

<213> *Aspergillus oryzae*

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<400> 5075
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cgccgaagga gatcccatca tggactactc cttgaaaaaa qccqcaqacg taaatgccaa      180
gagtaactct ggacagaatg ctctccactt cgcacccccc aaagccaacc ttccacccgt      240
tcttacctta atagccaata aatgcagcgc cagagttaaa gataagcgcg ggcaattagc      300
acttcattgc cgcgcagcta tcggatccctc acctataatc aaggttcttc ttcaagacgg      360
gaagagcccc gtcaatgccg cggatatgga cggctctgact gctctgcacc atgcaatctc      420
cgagggccac ggtgaaqctg cgtacactct gcttaaggct ggtgctgaaa cggataagaa      480
gjaagccgar ggcaatttgg ctattgacat ggcgcgggat acaaglyttd gaacatatat      540
tcggcaaaact gcagaaatgg agggatataga aatctaagag acgtgtaaca tgattatgaa      600
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<210> 5076

<211> 926

<212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(926)
 <223> n = A,T,C or G

<400> 5076
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 gctctgattc cgacccacgt accgtactac atccaccgac cagtagtgaa taatgagtcc 840
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 gtantccctt caaaattaat accttt 926

<210> 5077
 <211> 602
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(602)
 <223> n = A,T,C or G

<400> 5077
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 caaacggatc aggagagggt gcgggtccggc gtcagggaag ggtaagacct ccggcagagg 120
 tcataagggt cagaagcagc atggaaaagg cccggctagg ttcaacggtg gtcagacgcc 180
 gaaattatt gtctcatggc agaggggatt caataatgtc ttctctcttg accttgccgc 240
 ggttaacctc gaccgcctcc aagaatggat cgaccaaggc cgcctcgacc ctgctcggcc 300
 catcaccatc ccgagctgg cccaatcgcg ctgcatccac caaacgaaag aaggcgtaaa 360
 gctctcttgg cgggggtgctg aatctacctt caaacaacct atccacatcg tcgtttctcg 420
 cgcctcggca accgctattg ctgctgttga ggctgcgggt ggatccgtta ctaccagatt 480
 ctacacggna atcggaatc gcacgcacatc tgcgccgtga gatgcacca tttctgtctc 540
 ccgcttggaac aaaggaaaat ggcagcgagg gaatgaacaa cgcgccgagg aacggagaac 600
 cc 602

<210> 5078
 <211> 659
 <212> DNA
 <213> Aspergillus oryzae

<400> 5078
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 tctgtttcga ttgtttctca accggactgt cttttctgct tgccttacga actggttagt 120
 tgctatggca gtgtatgggc tcattttcta cttgccactc ttgttccagg ttcagggtct 180
 ttcagcgacc ggtgctggca taaaactgat cccccaggca gttggaacct cgttaggtct 240
 gttgggggct gggatactca tgcgtgcaag cgggagatat agtctgtaca gcatgatata 300

tgtgtccctt	ctcattgttt	ccaacaccct	catctgtact	ttgacctca	gttctccttc	360
ttggcagcct	ttcatctact	tctactcat	gggaattgcc	tatggcgcca	ttctcaccat	420
cacgctcgtg	gcactagtgt	ccgccgtgga	tcatgaacac	catgctgtgg	tcacatcggc	480
gtcctatgct	tttcgcagta	caggaagcac	aatagggtatc	accgtcgctt	ctgcggtatt	540
ccagaacatc	ctgaagtccg	gacttttggtc	acgatttggt	gacggggagg	aagcgaagag	600
attgaatcca	cggatcaggg	acagtccttga	tgaacttcgg	aaactccagc	agactggaa	659

<210> 5079

<211> 644

<212> DNA

<213> Aspergillus oryzae

<400> 5079

cacctttgcc	cgatgcgttc	ctggcgaggg	gctgaccgac	catagtcctt	tcgactcagt	60
aaacgggggt	aattctcggg	actcccdaca	caatcgctgg	gttaccggtg	ctcatagggc	120
cacctaccgg	cacaagaggg	cgtgcgacaa	tggtccgccc	gtctctctac	acccgtatcg	180
gtaccgctag	aatccacctg	gaccgtacac	cgggcgtgta	ccggccgttc	cggacctcc	240
ggctcgatta	cggggacttg	atgtgaggat	acgcagggat	gctccgtaag	acgcgggtca	300
tgaatgccga	ctaacacccc	tgcatacaacg	agctggctcg	taccaacgcg	ctgaccaaga	360
ttgccggctt	gcatagtga	acggatccct	tgcgtacctg	gaacgaagcg	cactactgcc	420
agaccatgag	gagtatgcgg	gcgcaaaaca	ccccaacctg	tgagagaaac	aagagcaact	480
gcgtgtgcaa	taagcacgct	gagcgcttta	ccaagaagag	gatggcctag	ctccgccttc	540
cagaacaaat	ccaggccggg	gagaaatact	ccctcatctg	gtgggcggcc	ttccaaaaaa	600
tgaaaagctt	accgtgacct	cctggaaggt	gataagctga	cctt		614

<210> 5080

<211> 685

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(685)

<223> n = A,T,C or G

<400> 5080

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agctcgtgaa	ggtgacccgc	gtcctcggcc	gtaccggctc	tcgcgggtgg	gtgacccagg	180
tcctgtgtga	gttcatggat	gaccagagcc	gttccatcat	ccgtaacgtc	aagggccccg	240
tcctgtgtga	cgacatcctc	tgcttgctcg	aatccgaacg	tgaggccaga	cgtctgcgct	300
aaaaatatgc	aaaagcgaca	aggggtcgga	ttggttcttc	gggaggagta	cactggggaa	360
ttattgcggt	ggcttatggc	ggcaaccatt	cggacattga	ttttcatgtg	ltaagagccc	420
agcaatggaa	ttcgcatcac	gaatggatcc	agacttaata	catttccaag	gatattggga	480
actacgaata	cggacatgat	cgtttgccgc	gtgctggatt	gatgggtccc	ctggaagcga	540
atgtttttctc	tcggtttttac	atctgggtttc	cgaggagtgt	gtgtggacat	ttttcctgga	600
aggacctnca	gcacgtcggt	tttatgggat	tgaaatgaca	aanaagaatt	agcngtttat	660
cgagatgcaa	caatggacat	ctcgg				685

<210> 5081

<211> 655

<212> DNA

<213> Aspergillus oryzae

<220>

<221> misc_feature

<222> (1)...(655)

<223> n = A,T,C or G

<400> 5081

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cttaagcgta	aatcgacctc	aaaaaccaca	gccaccatgg	gaaagaagag	acgtgggtccg	120
accctggatg	agctcttagc	tcgtcccttg	tgctactact	gcgaacgtga	tttcgatgac	180
ctcaaaatcc	tcatatcgca	tcaaaaggca	aaacatttca	aatgtgagag	gtgtgggaga	240
aggctgaaca	ctgctggagg	attgtcggta	catatgagtc	aagtacataa	ggaacagttg	300
tcggctgttg	ataatgcgct	tcccaatcgg	caaagtctgg	atgttgagat	cttcggcatg	360
gaaggtgtcc	ccgaagatat	catccagtct	cacaaccagc	gggtcgtaac	acagttccac	420
caagccgagg	cggagcgaca	agcccagact	ggtaaccctc	ctcctggcgc	aggtgctggc	480
ggacagccag	cgaagagacc	gaagctcgaa	aacgtatcgg	atctgaanaa	gcgactggca	540
aaacataaag	ccaaaaaagc	cgaagctatg	actgggtggaa	acaacggtga	cgtgacgcct	600
gttggtgcgg	acaaacacaa	aatgcagggtg	cctttttacc	aataaccgtc	gacag	655

<210> 5082

<211> 667

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(667)

<223> n = A,T,C or G

<400> 5082

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tggcaacttc	cgtccagggc	tggaccccc	aggcgtatct	tgaagaacaa	gtcgcgccta	180
cgcctaagcc	tgtccccca	ccaccaccac	cagccgcacc	tagggcaagc	ccggtgccgt	240
ctgccaacgg	agccgcgcgt	actgcggccg	cggcgaaggc	caaaccagca	cctcctgcgc	300
cacctgcgaa	acgccagcct	atcatgaggc	ctcgcagagg	cattgagagc	acgacaacac	360
gcgatgcaag	gcaagcacga	tgatgatgat	gagtggtgat	tgacttgctg	tttctattcc	420
tactttctat	ttattccatt	ctcattccca	atatccgatt	ttctctcccc	gagttctagc	480
ttagagtttt	gctttggatt	tgctgggtcta	ctgataccat	gggattcatt	gtttggcgct	540
gcatgaaccc	tgncgtgtta	gatataaaat	agaatgggtg	cttaaaattt	cacccttcaa	600
gaggcatagc	atatatntat	tcatgcaaaa	naaaataaaa	aaaattcctg	cgagacgctc	660
gagcatg						667

<210> 5083

<211> 509

<212> DNA

<213> *Aspergillus oryzae*

<400> 5083

tatatgcggg	cgactatctt	ggttcatagc	acttgacgag	gagcagagag	taaggacgaa	60
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ctggatccac	gtagcggagt	tatccagtcg	ggatgcaatt	aaaggggtca	ttccggcggt	180
aactagccaa	ggcctgaaac	cggagattct	gttaaactgc	gccggaatcc	aaagaaggca	240
cccgagcgag	caattcccag	atgaggactg	ggatgagggtg	atccaagtga	atctgacatc	300
ggttttttaca	ctatgcgcgtg	aattcggcgc	ctacctgttg	gcgcgagatg	catccgagtt	360
tccgaactggt	cgctcgggat	ctattatcaa	tattgcttct	ctcctgtcgt	tccagggtgg	420
catcaactgtc	cctgcctacg	cagcttccaa	ggyaggtatt	tcccaattga	ccaaggcaact	480
ctcgaatgag	tgggtcttca	agggcatta				509

<210> 5084

<211> 671

<212> DNA

<213> *Aspergillus oryzae*

<400> 5084

cgaggggccaa	tttcaatccg	ttcgtaccct	aaaccctttt	atccgtatac	tcttaatcta	60
ttggaatcgc	catgtcacga	cacgcacaag	tayaggaggt	gtacgactcc	gatccagatg	120

agggttttccc	ctccgactcc	acgcccctcca	acttcaccaa	tgaatccctc	ctctccgctg	180
caggtatctc	tcctcagggg	gcctcgctga	taccaatgag	gccagcccct	gaacctcgtc	240
gcgaaatccc	gaaacactac	cagtgcctgt	atcccgtgta	cttcgacaaa	tcgcgaaccc	300
gcgcagaggg	ccggaaggtc	ggcgcaaaagc	tggtctgtgga	gaacccattg	gctcgagaca	360
ttgtcgatgc	tgcacagatg	ctgggactgc	aagtcggatt	cgagcctgag	aaactgcacc	420
cgaaggattg	ggcgaaccca	ggtcgagtag	gggtgttgtt	gaaggacgag	gatgggaaac	480
tggcaaacc	acagattaag	aataagcacc	acctttatat	ccttgtggcc	cagtacctta	540
aagctcacc	aacaaccgag	aaatcgctt	accgtctgag	aatcagcgga	cttccaatgc	600
cagaaaagct	ttccccttgc	ccctcctgct	ccccgcggat	tgaagatagg	cccaatcttc	660
ccattcactc	c					671

<210> 5085

<211> 692

<212> DNA

<213> *Aspergillus oryzae*

<400> 5085

gtgaagctca	ctctcgcttt	tattgagcct	cacagttgat	cacccaagat	ggcctggctg	60
atagcacttc	cccagagagg	cttcacctct	ccaatccttt	ccgtcacaa	gcctaccacg	120
gtcggcatgt	tggtcggcta	tctggtaaat	cgcgcgggag	gaaccaaaca	aacctacaaa	180
tcactccaaa	agcgggcctt	ctacccgccg	gcattggctct	tcgccccaat	gtggactgtc	240
ctctacgggg	tcattgggata	tgccgctcac	cacgcgacag	tgcccgata	tagcgccctg	300
acttccctcca	ccgctgcaca	gagcttgggt	acgaattggg	aaacgctgta	tacaacacag	360
ctagcactca	actacctctg	gatgcccctc	ttcttcggca	tcgctcgccc	tgccctggcg	420
ttggcggata	tactactctt	gggtgggaac	gtggcggcgc	tgatgcagac	ctgggtggaag	480
acagatcgga	ccgccttctg	gctcatggtc	ccctacgccg	ggtggctcgg	atttgcgaca	540
tatctcaatg	ccggtgtggg	tggtattgaa	caagtggact	atcggagaaa	agccgaagga	600
tcagtaaata	gatttatggc	tctgcatttt	tactaatttg	acgtttgcat	ctctcctgac	660
tacgtttcta	actggaatct	tcccatcctg	gg			692

<210> 5086

<211> 677

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(677)

<223> n = A,T,C or G

<400> 5086

cgcagcttcc	cgaaatcacc	ctgtgcaact	aagcataggc	ctagatcatc	gcgggacgca	60
tatatagagc	acaccgcata	gttacgggtc	tagcaggctc	atcttgctgy	nttgcccaaa	120
ccatgcaaca	tgaacgcata	tactgaatcg	agcaaaagac	atgccctgtg	gaacggacga	180
atgaaaactc	cattacgaat	gcgacgtacg	gtaaacggac	agcagggatg	ttcggttata	240
gccatttcac	cggaggcttc	gcgggaggtc	aagcagagta	cgttcgcgtg	ccttacggcg	300
atgttaatat	actgcagctc	ccagcggacg	ttccagatga	gaaaggctct	tacctttcgg	360
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tagccatttg	ggggcggagg	ccaatcgggc	agatgactgc	qqaatacagc	tttagccagg	480
ggggcactcg	tgtcatcctt	atcgacgggg	gagagggagc	gtggaagtcg	gattttgtca	540
cgagcaagat	accaaaagctt	gagacaatag	atttcagcaa	tctaccaaga	ggagaatcga	600
tcacctccca	gclaaaaaag	aatgtacctg	gagggccaga	tgtggcgcta	gaatgtgcgc	660
cagagagagta	tgctaaa					677

<210> 5087

<211> 658

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature
 <222> (1)...(658)
 <223> n = A,T,C or G

<400> 5087
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 ttgaggagcg tattcgcaag cgagctttgc agaaggagga agtgcagcgt gtcgtcatct 180
 caggtggcgc agctggtggg gttgacttca atactcgcaa ccgcgagagc cgaaccaagg 240
 acatcgccat gtggctggca gatgatgaac aggcggagct tattgagcaa aaggagaagg 300
 aagcgtctga ccgaggcgaa gtgtttggcg ctagttaaagg cgggaagaag gctgctcaga 360
 agagaaagag agatatcacg ctggatgata tgtatcatga aggcgaaagg aactttgacg 420
 atgccagtcg anagccatca ggagcggcca ctctgtgtc gactgcagag aatntaggca 480
 ccccatcctt cagccagtt tctaaacgag gacgtggaan ggggacaggg aaagggcacg 540
 tctaaaagag ccaaaactac caaqaqaga ttacgtctca ttgatggcga cggaggccta 600
 gggcctantt gaattautcg atctgtgctt caaatggac accgctgcta ttgtcatg 658

<210> 5088
 <211> 630
 <212> DNA
 <213> Aspergillus oryzae

<400> 5088
 cttccacaac atctctctct ggcacagctt gccaggacac cgcagctgat cctcggact 60
 ttgttcatta tttgaggag atccagaagc cggagatgat ggaagtgggc aaaatccata 120
 aacttcgact tctcttgccg aatgaaacaa tcagctgggt cgatacattt attgctgatg 180
 gcggtatgga cgaaattata caattgcttt acaggatcat gaaggttgag tggagggag 240
 aacatgagga taatttgctc caggaagcct tgctgtgctt gaaggcgtc tgcacgactt 300
 cggttgcatt acagcgtctt acagctgttg aaggagaaat cttcccagcg ctctgaaga 360
 tgtttgttga cgaggaaaag aaaggaccaa gcgaatacac aacgcggagt attattatca 420
 atctcctttt cacacaactt tcaacagcat catcagctga ggatgccaga tctcgtgcc 480
 gccgaatcct gtctgaactt cgagaccctt caccacctga agaaaaccaa cccctttcat 540
 ttattgcaaa catataccag tcacgcccg accgtgtctg gtgtaaagag gttaccaacg 600
 taactaaaga agtcttctg atattcctg 630

<210> 5089
 <211> 599
 <212> DNA
 <213> Aspergillus oryzae

<400> 5089
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 tcatttcgat cggacggata gtggttgcc cgatttcgtt cgggttcacc cagtcattga 120
 ctggcactat cgggaaattt gggccttcat ccgtcaactg ggcttagagt actgacctt 180
 ttacgaccaa ggatacacga gtctcggttg ccagacggat actcaccga atcccaagct 240
 tcgggtcgac actacggccg gtaacgaagc cacaaaacac taccgaccag cgtatgagtt 300
 gactgaagac ctgtatgagc ggctgggacg caattagttt ccttgaccg tctgcatgga 360
 ggggtcccg caccgtcaag ctgttcgcgc agaagttctt tgtttggtcc gatgtttgca 420
 tggagagcga tccgagaaga ttggatgaca ttggttattg gacccattt ctatttcagg 480
 cggctttcac agcttttctc cgtccctctt aaatctctat gtatagyya gaatgattga 540
 ttttatatat ctctatggct gcataaaaaa aaaacattct aaataggttt tatagagaa 599

<210> 5090
 <211> 958
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(958)

<223> n = A,T,C or G

<400> 5090

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ctgggtgc	cccttcgcgc	cctcaagget	ctatcggggg	attatcccaa	caacctctct	120
caatcatcca	gcagtacctc	tcagagcccc	agtcacgac	tcggcgctgg	caagaagttc	180
ttctgggata	cgggcgccag	cctgtccaag	cggtcgtacg	aagattcggt	tggccatgat	240
gatcgccac	tctacaacgg	catgcgcccc	gatacggaaa	gttatcctcg	gaggctgtca	300
gatgccagtc	ggaacttcta	caacgaaacg	cgcgatgaaa	tggcgtacaa	acgagccaac	360
gggagaatgg	ccacgaagat	atccccctgca	ctccagtaaa	acaagttgat	tctgtctttt	420
cctcccgctc	atataggacg	gcgtcttggc	gaacggtcgt	cgattgattt	ctttcccgtc	480
atctgttcc	tttccctaag	tactctgggtg	tgatgggctt	cagggactct	tttaacgacc	540
cagacttttg	atgtttatac	caccgttctt	tttcttcttt	cctcgatctt	tggcattatt	600
gtacatgatg	ctctgcatgt	ggttttcaag	atattccccg	gattgttctt	gtcttcagtt	660
tatatacggc	cgctctcctg	tttattatcc	gctgtgtttc	caggtcggct	ggacctgnng	720
cctctccctt	cccgcaata	gaagtgagtg	agcaatacaa	atgtgacatt	gtccaaaagt	780
ttggtgatct	gaacgcgcaa	cctggatgca	ttgatccgag	acaatcacgg	ggtcttagac	840
atgcgacatg	tctgattcac	tccttcgacc	atttctctng	ttatccatga	ccatgcccc	900
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<210> 5091

<211> 702

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(702)

<223> n = A,T,C or G

<400> 5091

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tcacttctta	cttgcataaa	attcctgttg	cacacctcac	tttcataatg	cctgagcttt	120
ccaaggtcca	ccctgaagtc	acatggggcc	agcgctcatc	tgccgacgaa	gctgagcgca	180
attaccttta	tgtgaacatc	aaagctcctg	atgtagatcg	taaagaagcc	accctcaaga	240
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ccctggactt	gtacgctgag	atcgaccccc	agaactccaa	ggttaaccac	agtgatcgty	360
aggtcgagct	ggtcctgcgt	aagaaggagc	tgaagcagga	atactggccc	cgtcttctga	420
aggacagcca	gaaggtccac	ttcctcaaga	ccgacttcga	taagtgggtc	gatgaggatg	480
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gggatggngt	ggtccttggt	ggcccntggt	gggcctctgt	gtntttgggtg	ctgagggcga	660
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<210> 5092

<211> 1117

<212> DNA

<213> *Aspergillus oryzae*

<400> 5092

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cccgaaatatt	tgaagaaaa	ctactcttca	ctgacccgca	accttctcct	gttctttttct	120
ccactctctg	aactatatcc	aacatgtctg	ccgaagactc	agtagtaaac	ggcaaggcgc	180
ccqctcagcc	gggcagccac	catgaccgtg	gacactccgg	tcttgctcagt	gtccaacccg	240
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cggaggctca	tgggtgggtat	gcaggcctca	tccacagtct	tggagaatgc	attggattcc	360
tgggtgctat	cccttgcctgc	gtttgctgcc	cgaaccccta	taagcctgta	gcccagggtg	420
aagttggctc	cgtgtcgaag	tttggacgct	tcgaacgtgc	agtcgaccc	ggccttggtta	480
aagtgaaccc	cctgagtgag	cacttaaccc	cagtcgatgt	gaagatccag	atcgtcgagg	540
tgcctcgtea	ggtctgtatg	accaagygaca	atgtcacttt	gaacctgaca	tctgtcatct	600

attatcaaat	cgtctcgcgc	cacaaagccg	ccttcggtat	cagcaatgta	cgacaagcgc	660
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tcattgaacg	ccgcgaggaa	atcgcccagt	cgacctcgga	gatcatcgaa	gacgtagccg	780
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tcctgtatc	aaatccgtac	cttgaggcga	atcagcgatt	gccagaacag	caacggcaaa	1020
gccatatact	ggcccgcgcg	aatcaaacct	gcaggacacc	ttgaaggggc	cgaaatgccg	1080
gaaggaacca	accgttttgg	actggaagtg	taaccag			1117

<210> 5093

<211> 688

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(688)

<223> n = A,T,C or G

<400> 5093

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caaagatgat	tattcctgtc	cggtgttttt	catgtggcaa	ggtggttggg	gatctttggg	180
aaagtattct	acaattactg	gacgaggggtg	ttgcggatgg	tgatgctatg	gatcaacttg	240
gttgcaagcg	gtattgctgc	cgtagaatga	tcatgaccca	tgtggatttg	attgagaaac	300
ttcttcggta	taacccaaca	gaaagagatc	gtgcaaaaac	tcaaagttaa	ctcgattgaa	360
ccttcactgg	agctgatttt	tcacatcaaa	ttattttccg	agatggtgat	gacggatgct	420
caacttctga	atattattggc	tgtgtgagaa	ataggccaac	actgaatatc	cgctcgtctcg	480
ggttttatgg	ggtaattggg	cgcattaact	gctgctgtaa	tgctcgggta	tatcaagctt	540
gcagtatgct	attggcatte	tttgaaaagt	gcggtccatt	cccggtatcg	acaactttgg	600
ggctattgaa	caggtccccg	atgtgcgagg	caagatacgc	ttntgtacc	ttttgaggat	660
atggaangtt	tacggggaaa	tttgcttn				688

<210> 5094

<211> 1289

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(1289)

<223> n = A,T,C or G

<400> 5094

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gaggagacaa	tggcctgccc	ctggggagaat	gtcgcgtgcg	taaagtatcc	tacatttggg	180
aactqcaatg	ccgaccccg	agaggtcgta	cgccggttct	atcctqccctg	gggcagtttt	240
gacacgaaaa	agtccttcgc	ctggaaaaaat	gtgtacggll	actccgaggg	acccagaccgt	300
cgtgttcgca	ggctgatgga	gaaggaaaaac	aaacgtcttc	gggaagacgc	cattcgggaa	360
ttcaacgagg	ctgttaggtc	gcttgtagct	tttgtgaaga	agcgcgatcc	ccgggtacaag	420
tetaacacac	agagtgaatc	acaacggcag	gaattttctc	gtcaatcagc	agctgcacaa	480
gcaactagat	cacgagcagc	aaatcaagcg	aaactgcgtg	atcatgtgat	gcaagatttg	540
gcaaaaagcgy	agacttttag	tqatgaatct	agcgatacaa	gagaggacga	agttgngtac	600
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cgcagcaaga	agcatataaa	agctgtgaag	cagctacgct	gggagatgag	agcacataat	720
gaagagctgg	gootgaaagg	aaatgtctct	gaccccgaag	agccccattg	ggagaattct	780
gcgtatagca	ttccacaaga	tggcccaatg	cacaatatgg	agtcataaat	tcaacaacca	840
cgggatggcg	agacaagaaa	tygtatcgga	acaaacaaat	alacctcttc	tgnactaaa	900

agtgatacta	aacctgacga	gggttcggtg	cgcacacag	atggncatan	ggactctata	960
cctgatctca	gcgaggccga	ttatgtgccc	taggagtgtg	ttgaacggcg	attatgggtc	1020
caaccaccg	ttatccaacg	aacggagaaa	tggagtacca	aaccatcttg	ctaaacgggt	1080
tccacaactg	aattaaggaa	tcgcaacatc	ttcaccgaag	tgggaaaaggc	taacaaaacc	1140
tgccaaaaaa	gccaacgtgg	aatggaccaa	cttcacacatt	tttaaagggg	cacttgtggt	1200
cctcattttt	cctttaaggc	tctaattggt	atataatttc	cccaattggg	gaaaccctaa	1260
acctctaaca	ttggcgggaa	tggcaaagg				1289

<210> 5095

<211> 700

<212> DNA

<213> *Aspergillus oryzae*

<400> 5095

tnactaatag	gacccccagt	tggcgtdacta	acqctgtcqt	gatttttgttg	agcaagggga	60
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tttgctagac	gttcgcccac	catggagccc	ctcatagcca	tagtcgggtg	cacgggnact	180
ggcaagtcta	agcttgcaat	ggacctggct	actcgtttca	acggtgaaat	tatcaacgga	240
gatgcgatgc	aaatgtaccg	cggctctccc	atcatcacga	atcaaattcc	aatggatgaa	300
cgaaacggta	tcccacacca	cttaattagc	tgcattgatt	tggaggaaga	accatggcgc	360
ataggattgt	tcaagagcga	atgtcttcga	attattaagg	atatccactg	cagatggaaa	420
cttcgaatga	tgtcggcgga	actcaactact	atacacaagc	tgtgtaatta	aagggcagct	480
gatcgggaag	gatcggacac	attcaaggat	taagcccacg	ctccgaccga	aaaaccggag	540
aaatcgtctc	caaaaagggc	attcttagat	gccccgacag	acctgggggt	gggagaaagt	600
aatagagggt	ggtacctggc	atgggcccac	ctgagggatt	ccaaccgact	cgggaaaaat	660
tccgcgctct	cttgagaaac	tattttgaaa	acgggggcgg			700

<210> 5096

<211> 429

<212> DNA

<213> *Aspergillus oryzae*

<400> 5096

cccttcacca	atctgtctaa	tgattcggtc	gaccattgag	gaatccatcc	atcattatgg	60
gtgtctctaa	tctgatggcc	cggctcaagc	ctcaggccga	ccatgaacac	caggagcact	120
ccgatactcc	taccccagtc	agagccgact	caaaacttga	gaaggataat	gccatgattg	180
acgacagccc	cgtcaagtat	ctgacatggc	ggctcttcat	cctggggttg	tgtgtctcga	240
tgggtgggtt	tatcttcggg	tactccaccg	gtcaaatgtc	tggctttacg	actatgaatg	300
atttcaagat	gcgcttttgc	gaacaacatg	cggatggaac	atatgctttc	agcaacgtgc	360
gcaatgggtt	gattgtcggt	ctgttgtcca	ttggtactat	gattggcgcc	cttgtcgcgc	420
ctcctatcg						429

<210> 5097

<211> 668

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc feature

<222> (1)...(668)

<223> n = A,T,C or G

<400> 5097

gaaattgect	tgcacatttg	agctcgaggt	gccagggett	ggcattttag	agggcaatcc	60
ggcgagcaat	atcaaaagctg	gtactcgcat	cgacctacca	ctatggctag	gtgaaatgct	120
ctctatcgga	gctcgggttg	gcatttctcg	tttagtcaca	ctagatatcc	cttcagcatt	180
atcagaacgg	gttatgaatg	ccttaaaaagc	agacctcgg	accgtcgatc	tgcgggcatt	240
agcgccgcac	ttctatagtc	tgagcgagcg	agttttggaa	cttttcgagg	aagaggagat	300
ggttgatqtt	cttattaata	catttaagaa	gcgcgcttca	gaaattgctg	accatgccca	360
caacccaaaa	ggtgctcttg	gcgacggcgt	tgagtttctg	agagggttag	atgaaaacgga	420

aaggcagttg	ttccgcgtgg	cccatgatag	tgccaaggag	acacggatat	gggctggcga	480
agctaaaaag	aaggtataag	gattaacatc	caaatttaac	agactgagct	gtgctcgtca	540
tatgagctat	gtctattggt	ttgccaatca	tgtgcttaag	ggttgctgtg	ttantggaag	600
tatatggaat	agcactcgca	taaaaaagag	cctgcgagct	ataaaaaaan	aannnanann	660
aaaaaact						668

<210> 5098
 <211> 583
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(583)
 <223> n = A,T,C or G

<400> 5098						
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cctaagaaat	ttgaccggtc	ggctcgtggt	ttcggttttg	cagacttcgt	aagcgctcgc	120
gaagcggaaa	atgccatgga	cgcgctgaag	aacacccatt	tgttgggcag	gaaactggta	180
ttggaattcg	cgaacgagga	ggctatcgat	gcggagcaag	aaatccagca	gatcgaaaag	240
aaagtagggg	agcagatgga	ccggatgaaa	ctacagaagc	tcacgggtgc	cggacggaaa	300
aaatttactg	taggggcccc	ggacgaggaa	gactaaagtc	ccttgctcct	ctgcccttct	360
ccctgttgct	aggggttaatg	aatagtaatg	gtgctgctat	ctttgtgttt	gtgagatata	420
cccccttgct	tgccgggaact	cgttgggctt	tttcacacgt	tcctgctgtc	aggactgtgc	480
ctgcagacgc	gtcctgcaaa	gttcgctcgc	ctcgtgcctc	tgaatgaagc	tctatctttt	540
tttatcaaan	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnatt	tct		583

<210> 5099
 <211> 683
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 5099						
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tactgacggt	ggatcctgaa	caacgatact	cgattaaaga	attcttggcc	cacccatgga	180
tacgtggaag	cgacgaagaa	acccaggcag	ccacagacgc	ccccccattg	acgaactcctc	240
tgccctccgc	cgcctcaacag	ccgttggacg	ctttcgcggc	agaccaggca	ccatatgtctc	300
cagccagcgc	tgaactgtcg	gaccagccct	ccgctgggtc	ggaacgcccg	atggacttcc	360
ggctgcgccg	ggcgatcaac	ttgcgcgagg	tcttcgatgt	gggctacgcc	gtccatcgcc	420
aagaagaaga	aagcaagcgg	ctgaagacgt	cccgcggccg	cggggccaac	ccgaccacgc	480
ggttccagtc	ggctctgaac	cccttcaacg	aggattatga	cgaggatggc	ccgcaagtca	540
agttccagcc	catttcccan	aatgagtatg	cggcgcccca	agttcacaag	qqctctcaac	600
agtctcgaga	agtggctgcn	atggaggcca	aaatgcgata	caanacttgc	ggcgcgccgn	660
ggaacgctgt	cgnccaaata	caa				683

<210> 5100
 <211> 636
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5100						
tgtggctccg	cctacttcaa	gccttttccg	acaccttctc	cacgcctcca	aatggtaacca	60
cggtctctca	gccttctcta	gacgggaaga	tcattctcgcc	galgggtatg	gaggggtctcc	120

attccatcgg	aaattcactt	gcctatttgc	gtcatttteta	cgcgcaaggt	gtatcctatg	180
caacgctgac	ccataattgc	cacaatcgtt	acgctgatgc	tgccgtcacc	gagctcccag	240
acggcagcgt	gaagaaggcc	gatccccatt	ggcacgggtg	cagtgaggct	ggaaaggccc	300
tggtttctga	gatgaatcgg	ctcgggatga	ttgttgatct	gtcccatgta	agcgcgcgaga	360
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tcttcagcca	tagctccgca	tatgccgtct	gccctcatcc	acgtaacgtt	cccgaacgatg	480
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tctcgtgcaa	ggctgggtgat	aaccggaacg	gtctccctga	ttttgtcccc	gaaaatgcta	600
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<210> 5101

<211> 754

<212> DNA

<213> *Aspergillus oryzae*

<400> 5101

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acccgtgcct	acaagccaag	atatcccagt	tacgggtccca	taaaacttct	acccgcgaaa	120
caaggagcct	tgtccatgag	atcacgacca	ttctaggcgt	ggaggccttc	tcaacggtat	180
tgaaagctac	aaagcgggga	acggatcaaa	ccccgttagg	tatcgaatat	gatacccaag	240
atattgaacc	cgccaatgtc	gcaatggtag	ccattcttcg	atctggattg	ggcatgactg	300
aggcaatcaa	caacctgctc	ccaggccccg	tccctatcta	ccatttgggt	ctcttccgcg	360
agaagtccac	ccttcagccc	gtcgaatact	acaataacct	cccctaccaa	cgccaggatg	420
gctatgactc	caacaccgcc	gccgcagaca	cagctattat	tggtgacccc	atcgtcgcca	480
caggtgccac	ggctgaagcg	gcgattoacc	ttctgcgtga	gtggggagtg	aagcgagtg	540
taatgctcag	tgtactgggc	tccgagacgg	gtattcgtcg	ggctgtagac	tcttgacctg	600
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ttcctggctt	aggtgatatc	ggcgatagat	tgttcgttgc	cattggcaag	tagggtcgag	720
taattcttga	tatataaaaa	aaaaaaaaaa	aaaa			754

<210> 5102

<211> 692

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(692)

<223> n = A,T,C or G

<400> 5102

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cgcatacaagc	ccgagaccaa	gaccgcctcc	ggtatcttcc	tccccgagag	cagcgtcaag	180
gagcagaacg	aggccaaggt	cctcgcctgt	ggccttggtg	ccgtcgacaa	gaacggttct	240
cgccttccca	tgagcgttgc	tcccggtgac	cacgtcttga	tccctcagtt	cgggtggtagc	300
gcggtcaagg	ttggcgagga	agagtacacc	cttttccggg	accatgagct	ccttgccaag	360
atcaaggaga	actagatgat	tcattcttgt	cttccgtttt	ccgactgggt	ggaataatcc	420
aaacggagtc	ttgtattata	tcaggcaaat	cattgagcttc	tgtcatcac	tttaaataat	480
ttataaaaaga	gccatctacg	aagtgaggac	aggtgtatga	ttctgttctc	cgatctcccc	540
gctaattgttc	ccttttccct	atcttgcate	tgctatctaa	agcgtgaaat	gtgtcttggg	600
tcttttgcat	actatgcgat	gtaccttacc	aatcggttgt	cctgcgctgt	ctggcgataa	660
caccgggaaa	tgcatacgaa	tgtcttctct	tg			692

<210> 5103

<211> 695

<212> DNA

<213> *Aspergillus oryzae*

<400> 5103

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tgggttgcttc	catacatcac	agtgatgtac	tccactggac	ctctgttcct	ttcgggtgate	120
tggaaggaat	atatgcagga	agctatgggc	gaatcgtcgc	gggttcggat	tctgatgcag	180
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cgtgattgag	cgtgtcccgt	ttatatctgc	atttatattg	cgttgtccac	attgaaacac	600
cttgaaacga	cctatactat	acattccaag	tacctgtcga	gcgttactat	gtgggggtacc	660
cgccccactc	tactggtctt	ttcatttttc	gcggg			695

<210> 5104

<211> 661

<212> DNA

<213> *Aspergillus oryzae*

<400> 5104

ggggttgatt	ctaccctccg	ttctatatgc	aacctttacc	tgggtggact	tggaagatca	60
agttcttagc	ttttcccg	gaacttcgc	cgtacttctg	gtgctgtatg	tcggatatct	120
ctacttccaa	ttaggaacac	acaaacatct	attccagcaa	gagccgaaca	gtccacaaga	180
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caccagcaat	tgccccgaag	gcgtggcagt	gacgcgcgct	tcgtttgggg	gcgggtgatgt	420
gaactttgcc	atcagcgtea	ttgtcagtag	tatcttacag	atcggactct	ttgccattcc	480
tttcttggtc	atgctcgggg	gggttattgg	gggtgcccatg	accttttttt	ttgagacggt	540
ccatactttg	ggcccttgte	tttggtattt	tgggtggtaa	cccgggcttt	gaaggatgct	600
aagtataccg	atttttcttg	ggaatattgc	tgggtggcct	tacctgaaac	ttggcctttc	660
g						695

<210> 5105

<211> 659

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(659)

<223> n = A,T,C or G

<400> 5105

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gagaaagaag	tcctgcgggt	tgtcctactg	atttgtctta	tcattgttgac	tatgatcatt	180
gtcgtagtca	ttgtatgggc	aacttggttc	agagtcgac	atccggactg	gatcaatggt	240
cctactctga	ttgttgactg	cgctcagtgc	gcgattgcgt	ttattccaga	gggcctgcc	300
attgcgttga	ctgtatgctt	gaactatcact	gctaactctca	tgcgaaagaa	ttaaatacct	360
tgcgaagtgc	taaaaacagt	ggaaacccta	ggtgctgtgt	cccgatttgg	ctccgacaaa	420
actggcactt	tgaacaaggaa	cannatgttc	gtcactgatt	gtgcgatata	cagctcaacc	480
ctgagcccg	agtcngccag	agaacccgat	ggtgatggga	cggaaaggca	tctggcgctc	540
acaaaactcg	tgtgtgtggc	gctttgtgca	atgcnngcga	gttngatgct	tcctncttca	600
cccttgcctc	ttgtgagaga	catatatatg	qagatgccac	agaccaggct	attctcagg	659

<210> 5106

<211> 766

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(766)

<223> n = A,T,C or G

<400> 5106

agtattactc	gtccgaattc	ggcacgaggt	gcgactcccg	cccaagcgct	cggtaccgg	60
tgctaagagg	gccacctacc	gcaagaagag	ggcgttcgag	aagggtcgcc	agccctccaa	120
caccgcgtatc	ggtaccaaga	gaatccacct	ggtcgcgacc	cgtgggtggt	accgcaagtt	180
ccgtgccctc	cgtctcgagt	ccggtaacct	ctcctggggg	tccgagggt	tttcccgcaa	240
gaccgcgtgtc	atcggtgtcg	cccatcgcc	gcagacgcca	gcagaagacc	gagaccactg	300
aggagaagaa	gagcaacagc	gttgtgaaga	agcaggctga	gcgcttcgcc	gagagcggca	360
aggtcgagtc	cgccatcgag	agacagttcg	aggccggctg	tctctacgcc	gtcattgctt	420
cccgcccttg	ccagagcggg	cgtgttgacg	gttacatcct	ggaggggtgag	gagcttgctt	480
tctaccagaa	ggctatcagg	aaqtaaaaaa	ggaaaatcgt	gttgtaaaag	gggtgcatcg	540
gagtttcagc	aailllttcc	agaatacatt	tatgatctct	ggggcactac	gggtgcatcg	600
tgtgtagagc	tctgagctgt	cagcaatgga	atgatcctcg	ttatgttctg	tccaanaana	660
annannnang	ngnnnnnnna	annnnnnntn	nnnnnaactn	nnnnnnnanna	ttnnnggaaaa	720
aaannnnnna	naaaattttt	tgtgggcttt	agataatata	taaaag		766

<210> 5107

<211> 716

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(716)

<223> n = A,T,C or G

<400> 5107

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ccctacttca	cccccgccaa	caatgcagg	gcccgtgtca	accccgacga	ccctaact	180
cccaccctct	tcaaaccctt	gcgcattcgc	gatgtgacct	ttaagaaccg	cattatcgtg	240
tcccccatgt	gcattgactc	cgcgaatcg	gacccacact	cccccttcgt	cggcgccctg	300
accgactacc	acatgcaca	tctgggcca	ttcgcgctca	aaggcgccgg	cttgggtctc	360
gtcgaggcac	aggccgtcca	gcccattgga	cgtatctcgc	cccacgacgt	cggctctctg	420
caagatggaa	cgcactcgga	acagttcaaa	ggtcttcaac	gcgtcgtcca	attctcccat	480
agccaaagt	ccaaggtggc	cgttcagctg	gcccacgccc	gtcggaaagc	tagtgtctta	540
cccccttggg	tagcaccgca	agccgggaaa	catagtcttg	ggctgaggag	agcgtcttcg	600
ataggccaa	gaqtgggcg	tccaattggc	ggggagaaaa	tatctgggac	cccgcggagg	660
ggacatattg	ggctncttcg	aaattgagca	cagccggaaa	tcaaggaggt	gggcct	716

<210> 5108

<211> 681

<212> DNA

<213> *Aspergillus oryzae*

<400> 5108

cgacaacccc	gaccacttcg	acaacaaatt	cctccaccca	cctcccgagg	tctgtcgacc	60
gaagccttcg	ccatggccga	tatcgatatc	aagatcgctc	aatggaagct	cgttgagatt	120
ggcgtgtgg	tgtgatccg	ccgcggcccc	tacaccggca	agctggccac	catcgtggag	180
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aagtgggctc	agtcacgctt	cgcccagaag	accgagcgtg	ctgagcgtcg	gaagaacctc	420
aacgaattcg	agcgtttcaa	ggctcctgcg	ctccggaagc	aggctcgctt	cgaggtccag	480
aaggctcacg	ccaagctcag	ggcggctgct	cctaagtcgt	agatggttta	cttcattgag	540
ctcgggtgcat	agtgtgaagg	gagtgccttt	gggacgggtt	tacattgctg	agggttttatt	600

tgatttcagc	aaaaaagacg	ctgtacacat	tatcattggc	agcataaaat	gattcgagaa	660
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<210> 5109
 <211> 801
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5109						
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catttccata	tccacatagc	aatcatgtcg	ctcgcatctg	gagtttccat	caccgatgaa	180
tgcatacaac	cgttcaacga	cttgccgatg	aaaaagggcg	acaagcttaa	gttcatcatc	240
ttcaagatcg	ccgacaataa	gaaggagggt	gtcggtgatg	aagcctccac	cgatcaggac	300
tatgataact	ttcgcaagaa	gcttgaagat	cccaaaqaca	qcaacggcaa	gcctgcccc	360
cggttacgcag	tctacgatgt	cgaatacga	cttgggtggc	atgaaggcaa	gaggagcaag	420
atagtcttca	tttccctggg	gcctgatggg	gccccaaact	tctgggtctat	gatctatgct	480
agcactcggg	agaatctgaa	gaacgcactg	aacatctcca	actccatcca	cgccgacgac	540
aagtccgaaa	ttgaatggaa	gactattctg	aacgaagcca	gcggcggtaa	ggctggtaaa	600
taagtaacgg	taccggctgg	gcccggggcca	agtgaagctg	tgtgtgctgg	ttattacact	660
gcgcggttct	gttccagttc	gcgaagtgtc	tgcgaacgaa	ccaattcaat	gacattctcc	720
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<210> 5110
 <211> 552
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(552)
 <223> n = A,T,C or G

<400> 5110						
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cttttcatga	accggtttct	cccgcatatc	ggcaaccttg	gaatgttctt	catccttgcg	180
ggtgtgttca	ttacaatcat	tgtctgtgcc	gtcatgcccc	atgtgaacgg	tactggctac	240
gcatacaaatt	cggatgtgtg	gcgtacttgg	caaaacggta	ctggatattc	tagcgaggga	300
tttgtcttcg	ttgccgggat	gctcaatggg	gcttacagcg	tgggcacgcc	tgactgttcg	360
accatctctg	cagaggagat	ccccagaccg	agtcggaaca	tccccaggc	cgctctcgcc	420
cagatgacgg	tcggttttat	taccggcgtc	ctctacatgg	ttgcagtgtt	ctactcgatt	480
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tcacgcgacg	gg					552

<210> 5111
 <211> 303
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5111						
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caagccaaga	ggctggaagg	cctcgctcgc	ctatcaggtg	gocggtagga	ttgtgganaa	180
gggcggatct	ccgaaatgga	gcattgggtg	ccgttggaac	gacaagattt	ttgctcgcca	240
tactcctgga	tatgaggtgg	acgtatccag	tcaagatccg	gagtcgtcca	agacgttatt	300
ggt						303

<210> 5112

<211> 705
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(705)
 <223> n = A,T,C or G

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taccaagaat cgatctagct ggccatgagc tagccttctg acggccatta tggttgaaac      120
gacactatatt gacttgetcg tcaagcggtc ggacctcctt aaccttgaga atgaccctaa      180
catagggtct tcccggggaa atgcctcctc aacgacttcc gaggetatgg aaaatcttgg      240
tgtcaaaagat tcaaaagctc ccttcggcac ttatcaccac attagtctct gccttgataa      300
tcgcagtcct ttgggttcgg ctgttctga totgtcgag aactcaactt cgggtggtacg      360
cgctaggac acatttacct aattggcata agcatgaacg gagtcctcag ctaccctcag      420
gtttccttaa ttggtttggg cactttctca agatatccga tgcgcacgtg ctccatttct      480
cttacatgga cggatatctt ttacttcgat gcctgagagt gctgtgtgct acatgcttca      540
cggggtgctt gattacttgg cccatcttgc tgtctattaa tgcaactggg ggtgcaggta      600
atactcagct ggatgcattg agtttcagca acgtgaaaaa cccgaagcgc tattatgctc      660
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<210> 5113
 <211> 711
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(711)
 <223> n = A,T,C or G

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<400> 5113
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acgcctcgaa caagaaggcg cttactgac cctcgcagga acagagtccc ccgcccacac      120
actcaatata atctctacc atctcctcgc caacctctct ctctgacca aacttcgcga      180
agaactagcc accttgccaa cgctatcaac ctggacacaa ctagagcagc tcccatacct      240
gtccgccatt atcgaagaag gcaaccgact ctccctcggc gttaccgcgc gcacagcccg      300
aatccagcac acgcccacac cctacactcc atccgcgtat gtaaccaccc cagacccaac      360
gcataaatcc tacatcctcc cggcacaccg gtcagtatta cgacattgag cgcccacaca      420
ggcgaatcgg tcttcccqga tccatatgag tttcttccc agcgcctggc gggggatgag      480
ggtcgcgagc gcaggaagtt ccagttgacg tttctcagg gcgaggaggaa gtgtctaggg      540
attgagcttg ccagggcgga gctgtatctg gtgactgctg cgctngtgcg gaaagtcgat      600
ttggttctgt gggagacgga tgagagggga tgttcttttg agcatgatta tcatngtgcg      660
atgcccagagg attggtcnag gggggtgagg gtccctggcta ggatacgtgg g      711
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<210> 5114
 <211> 1149
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 5114
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tatacataga tcacottaat cttaartcaa cttaacagtc tttcccgtca agatgagatt      120
ctccgtctatc ttcaacctgg gtctcgccgg caccgccttg gccacccccc tggttgagcg      180
tgctgggttc tccccacccg acatcatctc cggcatcagc gacaagaccg atgctctoga      240
ctccgccatc aaggcttaca acggtggtga cccctccaag gttgagtcgg cctccgctga      300
cttgatctcg accatcacca agggcactga tgccatcaag agcggtgatg atatcagcac      360
caccgatgct cttgctctgc ctgagcccggt ccaggcttly accaagaagg tggagcaggg      420
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tatcgatgac	attatcgcca	agaaggacaa	gttcgctgag	gctggcgctg	gcggcaaggt	480
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caaggctccct	gagtctctca	aggagattgc	ccagagccctc	tccgctggta	tcagcacccg	600
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atcgctctgc	tacgaccttt	gacgatgggtg	acgaagacaa	gcgccatgac	cgattggaac	1020
gattaggaac	acaatgggct	tgttctgtat	atcttattct	gtcttaccga	attaatgtaa	1080
cgggcactgc	ctgtatatac	cgcgtttgaa	atttgctata	gtctagtaat	ggattatatt	1140
tgccaattg						1149

<210> 5115

<211> 676

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(676)

<223> n = A,T,C or G

<400> 5115

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aggcctagcc	gctgtctgcg	cagcccgcag	tctgggatat	ccttgccacag	tggtcgtacc	180
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ccagcatgga	gacacgttcc	aagcagccgg	cgagtacatg	cgagaagtga	tcatgaagaa	300
caaggacgag	aacgagtgtg	aaaacgtggc	gaagattgct	ctacaccctg	ttgataacga	360
gcccattctgg	gaaggaaaca	gcactctcat	tgacgaactg	gccaccacgc	tccttccccc	420
anccggagag	aatagaaagg	ccaccctatg	tgccgcgccg	ttaccgcggg	atgccatata	480
tggcaggggtg	ggcggngggcg	ctctcctgaa	cggctatatt	atgggccttag	aacgacaccg	540
ccagctccag	aagatgagcc	ctaattatgc	tccacaccat	atctcccact	cccaaggagc	600
cccttatcca	ccttctcgct	ataaaaaactt	tgggaccgga	ttcctgttgt	gccggtggcg	660
aagagaaaaac	ccttcn					676

<210> 5116

<211> 1077

<212> DNA

<213> *Aspergillus oryzae*

<400> 5116

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tgggatccgg	tctctctcac	gcaccacccc	attgcaattc	tagacaattc	ccctcatcgg	180
ttccctctctc	ttgtcttact	atctttttccc	ctctctatat	tataaccgag	gaaataaaatc	240
aaacaaataaa	aaacaaataaa	aaataaaaaaa	aaacaaataaa	actttgtccc	agccaaacat	300
gtccgaacga	ggatctttcc	gtggaggtcg	tgcccgccgg	ggaggccatg	acaggtctgg	360
cgggcgtggc	ggtcattgca	aaagtggcgg	tgccagtggc	ggtgcacagc	agcaggagaa	420
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gttcaatggg	ggcagagaag	tgtcggcac	gctgaaggga	tttgaccaac	tgatgaacct	540
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tcttggtttg	atcgttgctc	gtggtactat	gattgactc	atctctcctg	cagatggcag	660
tgaagagatt	gccaaccctc	tctgtcaagc	ggaggagtaa	gcgaactctc	atacgaacgc	720
cagcattggc	cattcttgac	taccagtctt	gcattctggc	tttgaggatt	tcaagacgag	780
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gctccccaca	tggcgagtct	ttatctattt	ccgctaaggc	cgatgctggg	gaatccactt	960

gaactatgag	gtcagtagt	atctccgct	ttggttggtc	ataatatgaa	gcgtgtgaaa	1020
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<210> 5117
 <211> 721
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(721)
 <223> n = A,T,C or G

<400> 5117						
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agagattgtg	tggtgttccg	gattgatatc	cggataaatg	gcttctggat	tgctcgaggc	660
gctctcttaa	cattgcccc	tcaatcgtct	ctataccctc	agggcctacg	ggctttgggg	720
t						721

<210> 5118
 <211> 647
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5118						
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tgctcagcct	gatgagcgac	cctaaccatc	ctgacatggc	tcggaatcta	atgggtgggtg	600
gtggcccccc	gtgggtgccg	tggtgccgga	cgttgtcaat	aaataat		647

<210> 5119
 <211> 690
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5119						
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aaatcgcgct	ttatcccttt	gactgtgccc	ttcatctctc	atctctcgcc	agaagggtatt	180
gtcttgccac	ccgaaaatgc	gacccccaca	gacgacgaca	acctagacac	gtattccgat	240
gacgaggccg	acgaacagcc	agacccatcg	accgaatggg	aagaaattca	caccacagatc	300
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aaagatgcaa	cctgtatggc	tgcgacaaac	gatatgcaat	gccgaacacc	aaaagacatc	420
tacctctctc	tgaagagcag	tgactttatt	agccattgcc	ctygaggctt	ccttcaatga	480

atgtgccccg	aatatccccg	attaacaacc	ccccccgagt	ttcataccat	tttgggtgcgt	540
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tttttccttt	attgtagggg	gacacaaacc	actttttttt	cttttccttt	ggcgaaaccc	660
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<210> 5120

<211> 641

<212> DNA

<213> *Aspergillus oryzae*

<400> 5120

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tgcgtcattg	atcaagtaca	tatgatctct	cgcatggggg	aacgatatcc	gaccaaattc	360
gctgggagtc	gtcacctcgc	acttctaaat	cgaataaagg	aagcaaattg	acttcttaat	420
ggctcactat	cattcttgaa	caattggaca	tattttaccg	atgaaccaca	gaaagatttc	480
gaccagctaa	ccaagactag	tcggtatgct	ggcacactgc	aggctttctc	aacgggcgta	540
cgcttcttaa	cgcgatacgg	acacttatta	ccacttcatg	ggacgacaag	attatgggca	600
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<210> 5121

<211> 696

<212> DNA

<213> *Aspergillus oryzae*

<400> 5121

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ggaaaccttt	cctggaacac	caatgatgag	tctctccgtc	agactttctc	ggagtttggc	180
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gtcttgacat	gaatgggctc	agatatccga	agccacatta	tggtgatgcg	cggaaacccg	660
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<210> 5122

<211> 746

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 5122

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aaggactaca	agatctgtta	ccctaagggg	actcgcgagc	actacgaaat	gacaaatagg	420

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gatatcgaag	agttcccgca	cttgaaggca	tgggaggagc	gtatggccgn	tcgcgatggc	720
gtcagaaaag	ggtcgcattg	tccgtc				746

<210> 5123
 <211> 685
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(685)
 <223> n = A,T,C or G

<400> 5123	
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cccgactctc	aatctttctga
tccgactaga	gaaacatggc
gtcacagttg	ttttccttct
ctcgctccgc	actacgggct
atccgcgagg	gaagccagta
gttccgatgg	agattacggg
gtgctagtgc	cggngagggg
	cagaa
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	685

<210> 5124
 <211> 679
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(679)
 <223> n = A,T,C or G

<400> 5124	
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ttcattcgag	agtttgagga
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gctcctgaac	atgatgacac
atagactttg	tcaatgaccc
tccgaggcat	atcagggttg
attgttcana	ctcccaatgt
actacttcac	catacagaat
ccctctagaga	ggatcggggc
caagcaagac	tnnccgtacg
gacgggaagc	cgaagctgct
gcgaggagga	aaccgcttt
	50
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	679

<210> 5125
 <211> 549
 <212> DNA
 <213> *Aspergillus oryzae*

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<220>
<221> misc_feature
<222> (1)...(549)
<223> n = A,T,C or G

<400> 5125
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ccatcagtcct tcctgagtgga gattatcggg gcccagtcga ctgtgaagtt gaactcaggg      120
gttgtctaca aagggtgaact ccaatcagta gatgggttata tgaacattgc tctagaaaag      180
tctgaggaat atgtgaatgg gaagttaagg cgaagctatg gagatgcctt tgtccgagga      240
aataatgtgc ttacatctc tgcaaaactga ggttccgaca ggcgatttca ttggttagcc      300
cctcatcatg tccgcgaaac caagctacaa aatgtcccat caaggcatat taggggtgag      360
ggaaggaggg agattgctgg tacctcatta acagcaagct ggctggtgaa aagagaaaaa      420
cctgagtaac caattgtctt tcctatactc acgtctagtg cctcccatcc acatttgatc      480
atctntcagc tccagtcata qqqagcccta ctttagtacc cctgtattga ttgcccctca      540
acaacctan                                     549

<210> 5126
<211> 693
<212> DNA
<213> Aspergillus oryzae

<400> 5126
gtgaattttca atatagactg aacgacaatt tataacaacag acacaatggg cggaagatta      60
gtgggtaaaa atgccatcgt taccggtgct gctggaggca tcggtctcga gactacaatc      120
ctcatgctcc gcgaagggtgc ctccgtcctc atgaccgata tcagcgagcc ggggtctccaa      180
aaggcccttg cgaaagccaa cgacgtgggt cctcagcgcg acggcaagggt cgagtaccgc      240
gtggctgaag tatccaagga atccgaagtc gaggcggcag tggcccatct agacgcctgg      300
ggcggcctgg acgtcatgtt caacaatgcc ggaatcatgc accccaagga tggagactca      360
gaggagacac ctgaggcgat ctgggatatg acgatgaaca tcaatgtcaa gggcgtgtgg      420
tacggaagca agcatgcagt gaagagcctc cggaagcacg gcaagaaaaa gggtagcatc      480
attaacacgg caagcatggg tgcgcttggt ggcgctgcc cccctcaatt ggcgataact      540
gctaacaagg gtgcgctggt tgccatgact agagagttgg ctattgtgca cgcccgagg      600
ggctttcggt ttaactcctt gtgtcctggc tctctcaaca caccactttt gcaagactgg      660
cttgggtgat gaataagaga aacgttttcc gtt                                     693

<210> 5127
<211> 687
<212> DNA
<213> Aspergillus oryzae

<220>
<221> misc_feature
<222> (1)...(687)
<223> n = A,T,C or G

<400> 5127
cctctttttcg tcctccgcat ttatatgtgg ccgatcttcg atagctgctt gatccatagc      60
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ccatgcgtcg tgttgtcgag aggggttttag gagctgttac ttttttggga gtagggtatc      180
gtccaacatg aaaaacgtctg ttaaatggcc actgcggtat tgttaatgtc aaccatcgcg      240
attccagggt ttgcggacata ccagttaaaa tcgcgcgcgc agtgccaaat ggcaaaaggc      300
aagaagggtg ctggactgcc tcagagtggc taantgagga tgaaaagcgt aagatggcgc      360
gtttcaaaca atatgctttg gctgcttcaa aaaacctcta gaaaatgctg gttggaagcc      420
cacttcgttt gaqcacagag aatccacggg catctgtctt ggatccggaa ttggcaattt      480
cgatgaaata tacgacaccg tcgtgcatat gaaaaaggag gttacagaaa ggtgtctcct      540
tatttgctcc aaaactctta ataactctcg cgctggccat atctccatga aatatgaatg      600
atgggtccaa acattgcagt taaaaccgta tgcactactg gggcacaatt cattgtgatg      660
ctgctcgctt taaccatgtg agatgca                                     687

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<210> 5128
 <211> 746
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 5128
cggactcttt cccctctttc ttcattccac acaacaaata accacttcta tacccttcat      60
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accgtttctc cgtcgcttct ccgtccatta ttcaccatga gtggggcactc tgctgtttgg      180
caaggatatg tcgattccag cttgatggga tctggcctat ttgacaaggc tgccgtttctg      240
agctacaacc tttccggcat cgaggctaaa tcttcggct tctcgatcag cgctgaagag      300
ctccaaggcc tcgctgccgc ctccgctcaa agtaacgtgg cgatggccaa tggatatcaag      360
gtcggcggag agaagttcgt cgtatcaag gccgacgacc gcagtctata cggaaagaag      420
ggcaaggagg ggattatcgt tgtgaagacc ccgtcctgcg tcttggttg ccaccacggc      480
gagaatgtcc agaccaccaa cgcctcagcc gctgtcgaga aaatcgctga ctacatcate      540
aaccttcacc agtagacggc ggtgtggaaa tgcgaatgaat gtgtcttctt aacttgccga      600
aaaggaccgt gtctgctttg aatcgattta ctggcggggc ctcttcattt ctactattac      660
tccctacccc ttttattcct gttatatgtt cgcggttoga tattgagcat ccgtcgtaga      720
tatgtgcat aggtcctgat ctaata                                     746
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<210> 5129
 <211> 605
 <212> DNA
 <213> *Aspergillus oryzae*

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<400> 5129
cgaggctcgt aaagacggag agatcattta tgccggcgtg accaactcgg ctaccatac      60
cgaggcagcc caagataaag atagcgactg gcccgagccg aaatctatca agtgggtttg      120
ggatggcaag tcgaaagatg ataagactgt tcatgaggag ctcgatggcg cgcttgccag      180
aagattggac cgtattgacg tcatggcgga ggtgccaggc ttcataaaga ccatcgccgg      240
tagtgtggct ggcacacggc cgtacatctt ccagttcgcc cccaagaga agcttacact      300
gaagttgaag gtcggagatg aataagtctc cgagcagggt gtcattgtct ccgaatcgac      360
gttcatctcg tgaatgacgc taagtacata gatcattgct ttccaggacc tgtccatggc      420
gttttatgag tgttaatcgt ggatttcctt attgttgctg ctgatatgca gctgaaaacc      480
caactcctaa tgtttcgcaa acatcatata agaactctga atgatctaca taaatctgta      540
tctccctatc aatgtcacat atgcagcgag cacctgaaag tcaaacctcc gttccatgtg      600
gtccg                                     605
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<210> 5130
 <211> 694
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(694)
 <223> n = A,T,C or G

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gattcacttg gacaattcac tacaaccacg attaatgcca tcgaacggaa acggatatct      120
gtcaatgcct gctttgcagg acagttctga tctgttcgct tgaagcgtgt acgaaggaaa      180
gaggttcgaa aggttatggt tgttctcaag aagttggacc agcctccca agttttaccc      240
ggagttcgtt gcggaaggtc tcattctctc tcatgctact actatcaaac ccccggtccc      300
aaccaatgtg catgtttggg cctgaattca acgtgttctg gctttgacat tgacggttcc      360
ttcattaaaa cgtttgatcg tgcctgggtg gcttttcggt tcttggccag cccaaagttt      420
tttgccccc gagacccaat acttttctct aaaggaaaaa caaggactg ggtgttggga      480
aaaaggtttg attccatcct aacaacctt tgaacaaaaa cctatggagg gaacaccatt      540
taaaaattgc taccgggtg gccaaccaat aataggtttt gttgaaactt agagtttgtt      600
tgaatggaag aacaacgtac caccacaat gggaaaggct tgcctggnt tttttacct      660
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tttttttccc ttttttttat ccccttgcc tccc

694

<210> 5131
<211> 697
<212> DNA
<213> *Aspergillus oryzae*

<220>
<221> misc_feature
<222> (1)...(697)
<223> n = A,T,C or G

<400> 5131							
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cctacgcqca	aacctacggc	gcatacgacg	gcttcccgt	cctcggcggc	ctgcgcccga		120
tcagcgaato	ctccagcgaa	atcgccgect	acatccggga	cgtggccgac	aaaaccgggtg		180
ccaagaaaagt	cgatctgggtg	ggccattccg	agggcgcggt	ccaatcgctc	tacgttccca		240
aattccaggg	gggtccaggc	ctcctcgata	agattgtggc	gatcgcgccc	ccgacgcacg		300
ggactaattt	cggtgggtctg	tataatctgg	cttatctttt	cggaaatgtt	tcccgggagg		360
ttgttgggga	cgtgttgagt	acgtttgggt	gtccggcggtg	tgatgagttg	ggccccgatg		420
gggctgccgt	gaagcgattg	aatgatggtc	agcctatcct	gcagtcgggg	aataatctga		480
cggtgattgt	ctcgaaatac	gatgagatgg	ttacgcgcga	tgagacgtcg	tgggtggagg		540
gcgccaataa	tatctacgtg	caggacttct	gtccccctga	ccccgtcgga	catattgggg		600
aggcgtatga	tttgaatgtc	tggaaacctg	tcaagaatgc	tctcgatggc	acgccggaca		660
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<210> 5132
<211> 973
<212> DNA
<213> *Aspergillus oryzae*

<400> 5132							
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taagcccgac	tttttagaca	ggttcatcga	cgccaaagac	aaataccocg	acattgttga		120
tgacagccag	attatctcgt	acctcatgat	caacatgatt	gctgggtgcag	atacaacagc		180
catcacgcta	aatgcagcca	tttatctcgc	tttgaaggac	cgtcgggtgt	gggcgcgttt		240
gcaaaaaggag	attcgtgcct	gtcaatcgag	cctagacgcc	gcaccgtcgg	ccgtaccata		300
caatattgca	agcgcacttc	cgtacctcaa	cgcggtgggtc	cgtgaggcaa	tgcggtatgca		360
tcccgggtgt	gctatgacgt	tggaaacggta	tgtgccaccc	ggagggctca	ccctacccaa		420
tggccagtae	atccctcagg	ggagtattgt	cggtatgaat	ccgtatgtca	ttgctcggaa		480
tcgggtctgt	tggggcgagg	attcggacgt	gtttcgccct	gagaggtggc	tgctgtatga		540
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tcggtttggg	gctggggacc	gcatttgcct	tggaaagaaac	ttaggtctac	tcgaggtata		660
caaggtgatg	gtacactga	tctcaogtta	cgatatcgag	ttggctcacc	cacaccgcga		720
ctggaagacg	cataacagct	tctttgttcg	gcaagagggt	atcaatgtta	aactctcccg		780
tcgctcctga	gggtgtgttg	ctctcgttat	tggtccaaga	tgtctcctag	tccgtgtcat		840
ttctcagggt	ttggcagagt	ttccatataa	cttaattttt	tgttatttcc	catggccatc		900
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ctatatccct	att						973

<210> 5133
<211> 687
<212> DNA
<213> *Aspergillus oryzae*

<400> 5133							
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tctccggtt	catggtcggc	gccgacgccg	agaatggcgg	catcgscaaa	aacggcgcca		120
agctagtga	cgcaatagcc	tgcgcccagc	tacccaagtt	caccgttgct	tttggctcca		180
gcgcgggtgc	cggcaactac	cgtatgtggg	ggcgggccta	cttcccaagg	ctaattggcca		240

tgtgggtccaa	cgccgaaatc	acgaggaggg	gcttctagca	actcttctcg	cgaatgggaa	300
gcgtcgtgac	gctcccagac	gcacgcctga	aagcttcgat	gtatcacgaa	gacaagggaa	360
gattgtcgac	ccgccgcgtc	tgggcgaaga	ggggcgctct	cgccggcgca	tcaggcgatg	420
ttgttacgag	gtgatttggc	gacatgaagg	tgaggacgag	acgacgagta	gtgctgacac	480
tatgtcgggt	gtgatgatga	ggctctgtcg	gcgatggaga	atgcggcggt	aaccgtgacg	540
attgttatgg	tcgtggatgt	ttcggacgac	gattagtctg	atagtgggtg	aggaagtcac	600
cgccggggcag	gtgatcgca	cgtagaggag	atgatcatga	tggaggcgga	tgaggatgta	660
gatcgatgtc	gacggcggag	gatgacc				687

<210> 5134

<211> 654

<212> DNA

<213> *Aspergillus oryzae*

<400> 5134

caactccgta	ganadaaact	cagaaatctt	gtgtttgacc	gtatccccaa	actttccccc	60
caccatctcc	atcttggaag	gcgaagaaac	gaccgtacac	ggaagtccgc	tttttttgat	120
cttcctcgca	tcataattat	aatcaggcag	gggatattag	ctcggaccat	ggacaggctt	180
cttcgtccag	tatcacggca	attgctcaga	tccagacccc	gttatccatt	tacaatccca	240
ccaccagttt	acgctaagag	actatacagt	atgggccata	cggtgccgcc	gctgaaagat	300
caatctctct	tcattgagaa	ggcatatgtc	aatggggaat	gggtatgtgc	ccagtcaggg	360
gaaacatttg	aagttcacga	tcttgettca	ggaaagctca	ttggaacatg	ccctgagttc	420
aatgctgccg	acaccgaaaa	ggccattcag	gctgccacag	aggctttccc	taaattccgc	480
acaacatttg	cccgcgagcg	tgctcggatg	ctgccccggt	ggtaccagtt	gatgattgac	540
aatgctgagg	actttggaac	attgatcact	tgggagaacg	gtaagccgct	cgccgacgcc	600
aagagttgac	gtgaactatg	ccgcgcctt	tctttgaatg	gttcattgag	gatg	654

<210> 5135

<211> 676

<212> DNA

<213> *Aspergillus oryzae*

<400> 5135

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tcaatggata	aaagaacagc	ccaatacctc	caactatccc	ggtcgaccac	acgctatcac	120
attcaacggt	ctcaciaaatt	cagtgggttcg	gggtctcagg	ttcttacgca	gccagatgtg	180
gacaatgtct	atcatatata	gtcatcatgt	tgaattcgac	agcatactcg	tgaacaacac	240
tggaaatggt	gtctcgagct	caaacacgga	tggagcagat	accatacgat	cctcccatat	300
cacattcaac	aactggactg	tgtacaatgg	cgatgatagt	atctcactca	agggcaacag	360
cacggacatc	accatcacaa	actccaatct	ctacaatggt	ttgggaattg	cattgggtag	420
catcggaacg	tacaaggatc	agttcgaaaac	catcgagagg	ctcaaagtga	gcaatgtcaa	480
ctttcacagt	acccttcctg	cgatatatgt	caaaacatgg	acggctgata	agaacggcta	540
tccacctaat	ggtggcggag	gtggcctcgg	atacatctcc	gatgttacgg	cccaaagacc	600
taaagctacg	tctcttcgtg	gggcgtgcgt	ttgctatctc	gcagtgtact	cgtttcagcg	660
gtgcccctgg	ggaagg					676

<210> 5136

<211> 647

<212> DNA

<213> *Aspergillus oryzae*

<400> 5136

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tactcgaag	actcgtccac	aatgaggcga	tgcgagagga	ccccaaaggag	atttatggat	180
ggaggggtgta	catgctcggc	tgttcggcct	gctttggcgg	catgcttttc	ggaatggaga	240
ccgggtatcat	aggaggtgtc	cttacgatgg	atcctttcca	agtgaatat	gggttaaaga	300
accttggcga	tataggagag	gccaatctct	ccgctaatat	tgtatccaca	ttacaggcag	360
ggtgcttctt	tggcgccctc	atcgccctcc	cagtagcaga	caaattgggt	cgaaaagacc	420
ggttgatata	ogcatcggtc	attgctatcg	ttggcgttat	catgcaagtg	gcagcaagcg	480

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cgatgatcaa	tcctctctat	ggctctgaaa	acgccccaga	gccctccggg	gtggcttaca	600
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<210> 5137

<211> 673

<212> DNA

<213> *Aspergillus oryzae*

<400> 5137

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tttctctct	gttggtttcc	ccttctctgg	aatcggccct	actgatttac	ctctccactc	120
cgcaactggt	cggggtttct	tcgggtattat	cttttccgac	ttcacaacag	tgacgcctca	180
cccaccaccg	cgcgcctttt	cctcttccct	ttctctctaa	ccctttcccc	tcctctttgc	240
qqctccqct	qcgtctggag	ctacaacaqc	tcgatggcgg	tctccgaaca	aatccccggg	300
caggagttag	aatatgaata	cgaagccctc	cgtctaaact	acggcctcgg	cgcgaatatg	360
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aagactcgca	tgcaaatcct	gcatacctgc	aatggcggac	tctacacagg	tctcactaat	480
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gttattgtcg	gtgcaggccc	cgcacacgct	gtctactttg	gcacatacga	aattgtaaa	600
gatcttgccg	gtggcaatgt	cgatgacggg	caccatccgc	tagctgcagc	tctgagtggg	660
gcctcggcga	cca					673

<210> 5138

<211> 676

<212> DNA

<213> *Aspergillus oryzae*

<400> 5138

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ggctctcagt	tctcccggtg	ccctttgaac	ctgcagaaca	agcactcttt	caagtacgct	180
ggatacgcca	acaccaaggc	tattggtgtg	cagcccactg	agaacgggtg	cgttggtgtt	240
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ggccccagg	cctccaccgg	caagattttac	aagggtgttg	cagacaagac	cgcaaagaac	360
ggctaccgtg	ctgacctccg	tgaggacgct	gttgacacgt	tgagcgccat	tcgccgttct	420
cagaagccta	agaaggatac	tctccccag	aagcctagag	gtgctcaggc	ccggaaggcc	480
gctgagcagg	agtcggcata	aaggatagga	ctcgatgacg	agtagtcgca	aggggtgggc	540
gcataagca	tagtggcgcc	atgctggtca	agggcggaag	cgtccatgta	atttagcaat	600
actgctaccg	gggcaaatgt	gcaccatgcc	gttcaaaaag	agattcaaag	aaaaaaaaaa	660
aaaaaaaaaa	attcct					676

<210> 5139

<211> 686

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc feature

<222> (1)...(696)

<223> n = A,T,C or G

<400> 5139

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caaggaagct	gggcatcaca	gtccctgtcg	tcaggggtgg	tatgcaatgg	gttggtatcg	180
ctgaactcgc	cgcagcggtc	agcaacgctg	gaggccttgg	aatcctcact	gccctcacc	240
aaccaccccc	cgaagacctc	cgcaaagaga	tcgggaaatg	tcgctcaatg	accaagaagc	300
ccttcgggtg	caacctgact	ctcctccccg	cctctgtgcc	cccagactac	gctgcctacg	360
cccagggttat	catcgatgag	ggtglcaaga	ttgtcgagac	ggccggaaac	aaccccggtc	420

cggtgattac	ccagctgaag	aaagccaaca	ccactatcct	gcacaagtgc	acgacaatcc	480
gtcacgctaa	atctgccgtc	aagctgggtg	ttgacttcct	gtccatcgac	ggtttcgagt	540
gtgctggcca	cgctggcgaa	catgacatca	ccaacttcac	tctnctcaac	cgcgcccgtc	600
aggatctggg	cgtncccttc	attgcatcgg	gcggtatttg	agacggatac	ngnntgccc	660
cngnctgta	actgggcgcc	gaaaga				686

<210> 5140

<211> 664

<212> DNA

<213> *Aspergillus oryzae*

<400> 5140

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tgggtcttac	tgacattcag	ctgggtcattg	aggcaacata	tctttgacga	tgacagagccc	120
tttacgctac	gaattttacc	aaatcctgta	caactcatcg	acgtgttagc	cacatgactt	180
ctccctggca	gcctctttaca	agccactctg	gggcatttat	cgccatgaga	tcgatctgat	240
gatcacggtc	cattactagc	tccaagacgc	cgtcattact	gaccgaatcc	atgcacgttt	300
gatgcagacc	ctgtgcaata	gcgtcaactt	gagtaacact	gaagtcaatg	acactggagg	360
tcccaccatg	aagagaatcg	tctgtgtct	cggcattcgc	ttggatccag	ccctgcgact	420
ataaggcact	gcctctatgg	gcaccactcg	tgattttatcc	atatgggctg	atgaacaagg	480
gtcttgacgg	tctggatact	gttgcctcat	tgttaattcc	aacagtcatt	cttagtatcc	540
gcaagcaaca	gttccctcgg	tttattggag	ctatgtccct	attctctcaa	gcctcataat	600
ggattttctg	cactaagcat	actaatacat	gatgatttga	ccccaacgtt	gggtcttgat	660
aaat						664

<210> 5141

<211> 523

<212> DNA

<213> *Aspergillus oryzae*

<400> 5141

cgtttagcgaa	aattgtcgag	gagaacgagg	tccgtcgtag	tgccctgggtc	aagaacttca	60
gcagtgtctt	ggccatctgc	gtgattggaa	tgggtggatg	gactatcgca	tggcaatctg	120
gtggtttggca	gccggcacct	caggaggatg	cgggggtg	cgagatagcc	gttggagccc	180
aggtgggttg	gtatttcagc	gcgatctgct	atctgggtgc	acgcctgccg	cagatctata	240
aaaactggaa	ggacaaatct	tgtgagggac	tctcactttt	gttctttatc	ctctccctcc	300
tgggaaattt	gaattatggc	gctggtatcc	tttgtcattc	aacggagaag	aactacattg	360
ttacaaacat	accttggtcg	ctgggatcgc	tgggcacgat	ggtcgaggat	atcacgattt	420
ttatacaatt	tgcactatat	gcgggttgcg	actcgacagc	cgcagggccca	tgattggcaa	480
gggccagggt	acaagtacgc	ttataattaa	cccttggatc	gcg		523

<210> 5142

<211> 685

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1)...(685)

<223> n = A,T,C or G

<400> 5142

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cagggtacca	gtattgggtg	ctccccgtacg	acgccttcac	ggccttgccg	aaagcaagtt	120
tctccaaagtc	tgggaggaag	tccggcgacgc	tgtagccaca	ggaaagcctg	tggtagctct	180
agagtcacaca	atctacactc	acggatttcc	gtatcccgag	agcgttgctc	ttgcgtcggt	240
gctggaaaca	gtcgttcggg	caaattggcg	agttcctgct	acgattggaa	tcttgaatgg	300
agtggccaag	gtgggcctca	atgctgaaga	gcttatcgag	ctggcctcta	ccgcagagag	360
caagagtgca	ctgaagggtt	cccgcangga	tttgggttac	atatgcgggt	tgggcctggc	420
tgggaaacga	ctacacggtg	gtacaacagt	tccgggcacg	atgattcttg	cccatctggc	480

tggtattaag	gtcttcggga	ctggaggtct	tggtggtgtc	catcgcggtg	gagagagttc	540
tatggatata	tctgccgacc	tcaccgaact	ggggcggacc	cccgttgctg	ntgtcaactc	600
ttgatgcaaa	agcttnctcg	acatcccacg	aactctggaa	taccttgaaa	ccganagtgt	660
ttgggggtggg	acgtttgccg	atggn				685

<210> 5143
 <211> 683
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(683)
 <223> n = A,T,C or G

<400> 5143						
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ctaattctacc	cgtcgccctt	gttcgccctt	ctcccattac	gccccctgat	actccccccc	120
cccgaccgct	taccogaacg	tcaccccagc	agccgaccac	caacaacatc	atggaacatt	180
cctccgcacc	caataatgcc	gccctgtacg	atgcgcggag	acgcagagge	tcggtcggaa	240
cgtcgcaact	attagacaac	atcgtctccg	cttccaactt	cgacagagat	gaggttgagc	300
gactccgcaa	gcgattcatg	aaactggata	aggacagctc	gggtacaatt	gatcgcgatg	360
aattcctttc	ccttcgcgaa	gtgtcatcca	acccgctggc	aacgaggtac	gcatgggatt	420
atthaaatgg	ccaaataaaa	tgaccggtct	gactcactta	tttcgaacat	taaagaatga	480
tcgcaatctt	cgatgaagat	ggtagcggtg	acgtcgactt	ccaagaattc	gtttcaggtc	540
tctcgccctt	ctcgtctaaag	ggtaacaagg	aagaaaagct	tcgcttcgca	ttcaaggctc	600
acgatatacg	tcgcgacggt	tacatctcta	acggagaact	gttcacgta	ttaaagatga	660
tgggtggcna	caacctgaaa	gan				683

<210> 5144
 <211> 174
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5144						
ggaagaattg	gccctaagac	caactcggtg	gagaagatca	acgctctccg	cagatccggt	60
ctcaatgttg	ttcgtatgaa	cttctcccac	ggttcgtatg	agtaccacca	gtccgttatc	120
gacaacgccc	gtgaggccgc	cagagtcacg	accggacgct	ccctcgccat	tgct	174

<210> 5145
 <211> 1338
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5145						
tgccaccata	ctacgcgac	attccgagtt	cgatatcgcc	tggattggct	ccctattgac	60
gttcgatgata	tttttctttg	cagcgccctg	gggcgtcctg	gtggaccggg	ttgggtccac	120
acgctgctc	accttcggcg	ccattgcaac	tatcctggca	accttcatga	tctcaactatg	180
taaggagctg	tatcagttcc	tactaqccca	aqgtatactg	ctaqqcctcg	qcaacgcctt	240
cctgctttgt	cgggccatgg	ctacgctcac	cgtctgttt	gataaccacc	gcggcgcgcg	300
caacgggaatc	atgatcgccg	ggtcctccat	cggcggtatc	atctggccca	tcattgctcga	360
tcagctgctc	aacaaggacg	gcgtcagctt	tggctggacc	ttccgcctcg	tcggcttcgt	420
ggtgctgccc	ctatgtctct	tcattggtcgc	gaccatccgc	ccggctccca	agacactgca	480
cgattccggac	agggagggga	tagagctgtc	gcacggcgag	tcagagagcg	accacaaggc	540
gcaaggggca	gaagggccgg	cggcgattat	caagaacccg	accttcctca	tcctctgtgc	600
cggctctctcg	gtagccacct	tcggcctctt	cagccctctc	ttcttcctat	ccacctacgc	660
caccgaccaa	ggtttgtccg	tcagcttggc	cttttaacct	gtgtccatgc	tcaacggcgc	720
ctccatggtc	gggcgtgtct	ccacgggctt	tctggccgat	cgtacgggga	acttcaacct	780
gtgcttcttg	acgattgcct	cctctggggt	gattgccatg	tgctggacca	agggcacgaa	840
caccgtgggc	atcatcttct	ttgccctage	ctacggatac	acgtccgggg	ccatgttcag	900

tctccaaacc	cgtgtgccc	cccagctctc	gacgcccag	tgcagggggg	ctgccgtcgg	960
cattctcttt	gtcgcgccag	caattcccgg	attggtcggc	acccccatca	gcgggcgcct	1020
ggctcaagca	cggctatctg	gccctttcga	tgtattcggg	ggcggcgttg	ttagctgggg	1080
cagggttggt	gctgatcgca	cggctgcgcc	aaaacacaaa	gctaattggca	aaagtgtagt	1140
tgttcttctg	cagctggaag	tgggcgttgc	gtctaccttt	gctccgtctg	tgggttggtc	1200
tgcgtttcta	atggtctgtc	aatccttgct	tttggtatgcg	atggcttgat	caggatctgt	1260
tacgtgtggt	attggttgat	gtgtctacaa	caaatcccta	cttttaggaat	agagaaataa	1320
tataatagct	gatttgcc					1338

<210> 5146

<211> 640

<212> DNA

<213> *Aspergillus oryzae*

<400> 5146

gtgtctttct	tcataactaga	gggtgaagta	gtcgcgctgg	accaggaaaac	gggggaactc	60
caagcctttc	agattttgac	caaccgagcc	aaaaagaacg	ttgatataagg	aactatcaag	120
attaatgttt	gtctcttttc	atttgacctg	atgtacctga	acggaacccc	tttggttgat	180
cgacctttcc	gcgaacgtag	agaacttcta	cgaagcttat	tctgaggaaat	cccgaaccgg	240
ttcacatggg	taaagagttt	tgatgccaca	tctgccgatt	ctgaggccgt	cctggaattt	300
ttcaaagggt	caactgatac	caagtgcgaa	ggcatcatgg	tcaagggtgct	cgacaatgtg	360
tccaagtcaa	ataacccgga	accatcagag	accccaaaaca	acgacataga	caaaccggat	420
ccaaaaccgg	cgaaggagg	ccgcggaaaag	gccttacttt	ccacatacga	accagacaaa	480
aggcttgaat	cctgggtcaa	agtcaaaaag	gattacagca	cctcatccga	gaccctcgac	540
ctgatccccg	tccgaggctg	gcacggacaa	ggccggaaaag	ccaaatgtgg	tcacccatcc	600
tgtagctgt	acggaatccc	gaaacggcaa	gctcaagccg			640

<210> 5147

<211> 701

<212> DNA

<213> *Aspergillus oryzae*

<400> 5147

cattcaaaca	cgttattgat	tctgtcgggt	ttctcgtcga	gcgaaagcct	ttataacttg	60
ctagtcatac	aaattcttct	tcttgaacac	atatttgtct	ttctcccgta	caaacaattt	120
taaccttctt	tcaccgtcga	tatggacaag	atcaaggaga	gaatgaacgc	cctccgcctg	180
gaggctgacg	aggcccacga	gaagaccgag	gagttgaaga	atagggtcaa	gacgtggaa	240
caggagaacc	tggcgaagga	acaggagatc	acatccctca	accaccgcaa	ccagcttctt	300
gaggggtgagg	tggaaaagtt	ggaaaccgct	ctcaaggagg	ctaaggatgc	tgccactcag	360
agcgtcagc	acgacaactca	gaacgaaaacc	cttcagagac	gcttgacgct	cttggaagag	420
gagctcgagg	ctgccgacaa	gactaccagg	gagacagttg	agaagctccg	ccaaaccgac	480
gttaaagccg	gccattacga	gcgcaaagtg	caggcccttg	agtcgtctcg	tgatgagtgg	540
gaaagcaagt	atgaggaaat	ggcgaagaag	tacgccgagt	tgcagaagga	tctccacgac	600
ttggaagtgt	ctataagcaa	tgtttaaggc	tagggttgcc	tgcagatgca	atattctggg	660
aaaacctcgg	ctcaaccttt	tttctaacat	aataactttt	t		701

<210> 5148

<211> 304

<212> DNA

<213> *Aspergillus oryzae*

<400> 5148

gtccccaagt	gggtgactg	tggcatcaag	ctccccgggtg	tccccgtctt	tgcccccgcg	60
gagtactctc	agatctctc	ccccagaag	accgtcaccc	gtgcctacgg	tggttccccg	120
tgcgttgggt	gggtcaagga	ccgcatacgtc	cgtgctttcc	tgatcgagga	gcagaagatc	180
gtcaagaagg	ttctcaagga	gtctcaggag	aaggccgctg	gcaagcgcta	aatgggtgca	240
taatatgctc	agtatttttc	tttagtgagg	gcgaaaaatgg	aaaaataaaa	ttggctgggt	300
gcgg						304

<210> 5149

<211> 682
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(682)
 <223> n = A,T,C or G

<400> 5149
 caagagtggga atggcaatca gcattgcatt caccagctta gcaaccatct tcgtttttg 60
 ccgagtttac acgcgtgccg gcatcatgaa gcgcattggag tcgaacgatt atatgggtcat 120
 gctcgctctg acattctect atgtcttcat ggctttttat atcatagaag ccttgaacgg 180
 aatgggtatg catggcgctg atatcccacc acccatcctc cttaaacaaa tgaaagcggt 240
 ctggattacc atcccattct acaatggcgc acttctatgc gccaaagctt ctatcctttt 300
 gtagtacttc cgcgtcttcc ctaccagacg catgcgtctc atcncgtggg tcatgltagg 360
 tatactcggc atctatggat cctgggcagt tctgagtggc tttctcaatt gcatccctgt 420
 ggcaaagtgc tgggacaaga cctggaagg gtactgcttg gacgacaaag gactgtgggt 480
 ctcaaagtgc tcaatgcata tcaccaccga tctcgtaatt ctgatcattc ctatcccggc 540
 tctagcgaaa ctagatcttc ctaagagaca gaagatcgcg ttgatcacag nttttgcatt 600
 gggcggtatt gtatgcata ccagcatctg tcgtctggtc gccctcaaaa agatctncca 660
 ttcacagatc caacctttga ca 682

<210> 5150
 <211> 756
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> misc_feature
 <222> (1)...(756)
 <223> n = A,T,C or G

<400> 5150
 tcgacatatg actaagctcg cctctgtacc atatcattta gctagccatc tagacttgca 60
 tttaccctaa aatggctctg aatattgcac agcggcgcat tagcgttggtg cgaatcccat 120
 tttctcctgg ccgaactttt ctctcgcgca atctcattcc cgccccgcac gccaaactcg 180
 gccctttgct ggaacgacgg gcagaccgcg aactgccttc tgtaaacaag gaccgacggt 240
 ggatgcggaac cttacccata tttgccattg ctgtcggagc tgcgatgcta gggatattca 300
 actaccagaa gtctctctca agcgtgggtca gcagtaccct ttatgctctt cgcacctccc 360
 ctctgtctcg cgaaactctt ggtgatgaga tttactttgc tcaaaaagata ccctggatta 420
 gtggggaaat gaatcaqcta catggacgta tcgacatatc cttcagggtc aaaggaacaa 480
 agtcgcaggg tacaatgagg ttccgcagca tcaggccaga ccgaatgagc tattttcgta 540
 cggaggaatg gagtctggag acggaggatg gcacggctgt tcagctcctt gacaacgcta 600
 ctgaccctgt tcgtcaacat gactaaatac tgtcaagttt tcctggaagc tggatccctg 660
 catatgcgtg cgcnggacc atggcacttt ttggctcctt cattctattc cggtagcaag 720
 cgacggtaact tcaaaagtaca aaagaggccg cagaag 756

<210> 5151
 <211> 543
 <212> DNA
 <213> Aspergillus oryzae

<400> 5151
 ggtgttagcg atgaggargc tccgcacgtc aatgaagcta tctcagaacg tctaccagga 60
 cagtctttct gctgggttca gtgacgagaa agttcagggc ttctctccac agttagaact 120
 cgcgctgaga cacacaacag catacttcgg tattggtgtc atggataaga cgatttctc 180
 atgggtcaac agtgtagact caatgaagga gcttgcttgg aatgatgtca tcaacgaatt 240
 caagacgaga tatcagcaag gatgctatct tgagtcattg atgcacaagt acttgatgaa 300
 cgaccgttgt ctgacgttta ccatgggttg tacgcctaca ttccaccaag aactatgacc 360

agcacgaaat	ggtcgggtat	gaaaagaagc	tcagtcaact	tgttgagcaa	catggatcaa	420
tggacaaggc	tatctctagt	ctccgggagc	aagaactgca	gttgctcaag	acacaacaag	480
acgcacaaca	tgccgacctt	gggtgcttac	cttcctcgcg	tgctgatgac	atctcgcgag	540
agaaagagcg	caagctggta	caggagtcaa	atgtctacga	cctcgatgtt	gtctggcggt	600
aggcccaacc	aatggcctga	catatttcaa	gcaatgaatg	ccttcgat		648

<210> 5152
 <211> 657
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(657)
 <223> n = A,T,C or G

<400> 5152	
gtcgggcatg	aacatggacg actgcacctt ggcaacttgc ccaattgact tggcctatat 60
caattaccag	cctaaccatcc cggcaaagtgt cctcttcttc gtcattcttc gccttctctt 120
cgcgcacaaa	atcaccctag gaacatgggt ccgaacatgg acatacatgg gggcaatgac 180
cgcggggctc	attcttgaaa tactgggata catcggacga ctcatgatgc acagcaaccc 240
attcgacttt	aatgcattcc ttctatacct catttgtctc acgattgcc cggccttctt 300
caccgcccgc	atttacatct gcctgggaag aattgtcatc gtctacgggg aggatatctc 360
caggattcgc	ccccgtacat acaccatctt cttogtcact tgcgatatca tcgctctagt 420
cctacaagca	gccggcggtg ccattacctc catcgacagc tcagacccaaa naaagcctcg 480
cgataccggt	gtcaatatca tgattgcagg attggctttc angnntgctc gtaacgctgt 540
tcctcgtgct	ggcttcggaa ttgcacctgc gagtacgccg caagctcaaa agtatgaaag 600
ntacgtctac	agcatctgtt cgcagtgggt tgaaatggaa gaatgtctt ctggtct 657

<210> 5153
 <211> 664
 <212> DNA
 <213> *Aspergillus oryzae*

<220>
 <221> misc_feature
 <222> (1)...(664)
 <223> n = A,T,C or G

<400> 5153		
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cgacggcttg	tcctgtctacc agaagacatg ggcaccagct agcgtgctc ccgtggcccg 120	
cctgggtccat	ttccatgggt ttagcgacca catcaacaac acgtttgata tgtttccatc 180	
tctagcccgc	cgtgggatct tctgtacggg cattgaccag tgcggttggg gccagtcggt 240	
caaaaccaag	gccgaccgcg ggaacacggg cccgaccgct gccatcctgg ccgattttgc 300	
agcgttcctc	gaggtccaac tcgaagcgaa accgtctgtt cccgttttcg tgatgggcca 360	
ctcaatgggc	ggcggactag ttgcgacggt agcctctacg cccaagtatc agggctctgt 420	
ttcccgttg	gggggtatca tgctcgaggg accgtntatc ggactcgacg ctgagcaaga 480	
acouagtatc	atcagggtcg ttctcggtcg gttggcaagt aaactactgc ctgccttcca 540	
gattaccag	ccgatgaagg tcgaaacgat tgtgcgggaa cccgcccgtg agcaattgct 600	
gaagaatgat	ccgttaaacc cttgtgtcgg taagctggag atgtttgcga acatgctccg 660	
acgg		664

<210> 5154
 <211> 781
 <212> DNA
 <213> *Aspergillus oryzae*

<400> 5154	
gtagtacttc	atacgaaagt cagcaactatc gacgacacac atcatgagca tattcactta 60

cacataccac	cacctgaagg	cacagcaagc	cttaccgccg	aggatcataa	tgtgcacgac	120
tgccatggca	agaatgtacc	gagcatcagc	attctcagct	atttgactcg	cattcataag	180
tactgtccaa	ctacttatga	ggtcttccta	agcctattag	tgtactttga	tcgcatgact	240
gagctagtga	ataaaggcca	attggagcgt	ctccagcggc	gctggggaca	catccaaccg	300
gactccgect	ctcgccagg	gtctcaggag	tcggcagtaa	aacctgcgca	tggtctgccc	360
atggtgactc	ccccatcttc	tgctggaatg	agagcacagg	acccgacaag	tccatcatct	420
atatcaccgt	ctttgcaccc	ccaggaggaa	gacgactact	tttcccaatt	ttttgttgtc	480
gatagtttta	acattcaccg	gctggtcata	gcgggcgtga	cctgtgccag	taaattcttt	540
tccgatgttt	tctatactaa	ttctcgatac	gcgaagggtg	gaggtcttcc	gctgggtgag	600
ctgaaccacc	tcgagcttca	attcttacta	ctaaatgatt	ttcgactctc	aataccagtt	660
gaagaattgg	aagcatatgg	aaccatgctt	gtcgaatttt	atgcacggga	gattgttgct	720
caacaacagc	aacagcagca	gatagcatct	caaacagggg	tgccctcgtc	gttcggctca	780
t						781

<210> 5155

<211> 674

<212> DNA

<213> *Aspergillus oryzae*

<400> 5155

ccgattgtgg	aaccataatc	atcaaaggct	tcggattctc	taccctcgta	actaccctga	60
tgcagggtacc	ctacggagcc	ctgatcgcac	tctccatttt	agcttgtgta	tacctcaacg	120
accgcttcga	gaacagacgc	tgcgctcttca	tcctaataat	cctcataccc	aatatagcag	180
gggcattttg	cctgcgcttc	gtcccgcacag	atcaacaagt	cggtcgatta	atctgctatt	240
acttaacagg	cccatacaac	gcagcctttg	tcctgatcct	gagtatgcaa	gatgcaaata	300
cagccggcca	cacaaagaaa	gtagtcacaa	acgcagtcct	cttcctgggc	tactgtaccg	360
gaaacatcgc	cgggtccattc	ttctacaaaag	agagccagaa	accaacctac	tcgctcggca	420
tctggtccat	gatcgtttctg	catctgattg	aagctgttct	tatctctatc	ctgggtcttc	480
tgctgcgctg	ggagaataaa	aagagggata	agatacagtc	tcagatggaa	ggctgatgta	540
gaggtagaga	tagggatgcg	acggctatac	tggatctggc	ggatagggag	aattgagact	600
tccggcatat	atattagcat	gatgatcctc	tatgaataat	gccccatgca	ttcagtgate	660
ctgtagcgaa	tata					674

<210> 5156

<211> 377

<212> DNA

<213> *Aspergillus oryzae*

<400> 5156

cgagggttca	tcctactatt	gttgactcat	tgtcagggaa	aaatattagt	caagtttgtg	60
gtggtgctca	tcactcgatt	gctggtgctg	atggcgagca	atgcctcgta	tggggtcggt	120
tagatggttt	ccagacaggt	ttgaaagtcg	atacacttcc	tgagggaagc	gttatcaaag	180
atgaacgtgg	gcgaccccg	atcttgatcg	aacctacccc	tgttccagga	attaaagcaa	240
gcactgtcgc	agctggatcg	gatcattcga	tcgctattga	tactgatggc	cgctcttggt	300
cttggggctt	ctccgccacc	tatcagacag	gccaaaggcac	ttcggatgat	attgaggtgg	360
caacaattgt	cgaaaac					377

<210> 5157

<211> 682

<212> DNA

<213> *Aspergillus oryzae*

<220>

<221> misc_feature

<222> (1) ... (682)

<223> n = A,T,C or G

<400> 5157

cccgccattc	ggatctcctt	tangatggcg	tcggcctcct	cgacctcatg	gctatcctcc	60
gtcttgccct	tctgcgccat	cttgtgcctc	tcggtgccctg	tcaacgcctt	ctacttctat	120